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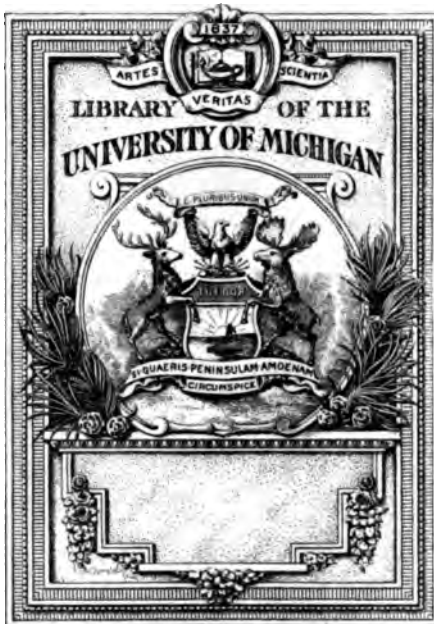
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SMITHSONIAN



MISCELLANEOUS COLLECTION

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VOL. V.

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"EVERY MAN IS A VALUABLE MEMBER OF SOCIETY WHO BY HIS OBSERVATIONS, RESEARCH  
AND EXPERIMENTS PROCURES KNOWLEDGE FOR MEN."—SMITHSON.

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WASHINGTON:  
PUBLISHED BY THE SMITHSONIAN INSTITUTION.  
1864.

PHILADELPHIA:  
COLLIER, PRINTER.

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ARTICLE III. LIST OF FOREIGN CORRESPONDENTS OF THE SMITHSONIAN -INSTITUTION. Corrected to January, 1862. May, 1862. Pp. 56.	



## ADVERTISEMENT.

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THE present series, entitled "Smithsonian Miscellaneous Collections," is intended to embrace all the publications issued directly by the Smithsonian Institution in octavo form; those in quarto constituting the "Smithsonian Contributions to Knowledge." The quarto series includes memoirs embracing the records of extended original investigations and researches resulting in what are believed to be new truths, and constituting positive additions to the sum of human knowledge. The octavo series is designed to contain reports on the present state of our knowledge of particular branches of science: instructions for collecting and digesting facts and materials for research: lists and synopses of species of the organic and inorganic world: museum catalogues: reports of explorations: aids to bibliographical investigations, etc., generally prepared at the express request of the Institution, and at its expense.

The position of a work in one or the other of the two series will sometimes depend upon whether the required illustrations can be presented more conveniently in the quarto or the octavo form.

In the Smithsonian Contributions to Knowledge, as well as in the present series, each article is separately paged and indexed, and the actual date of its publication is that given on its special title-page, and not that of the volume in which it is placed. In many cases, works have been published, and largely distributed, years before their combination into volumes.

While due care is taken on the part of the Smithsonian Institution to insure a proper standard of excellence in its publications, it will be readily understood that it cannot hold itself responsible for the facts and conclusions of the authors, as it is impossible in most cases to verify their statements.

JOSEPH HENRY,  
*Secretary S. I.*

( vii )



**SMITHSONIAN MISCELLANEOUS COLLECTIONS.**

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**BIBLIOGRAPHY**

OF

**NORTH AMERICAN CONCHOLOGY**

PREVIOUS TO THE YEAR 1860.

PREPARED FOR THE SMITHSONIAN INSTITUTION

BY

W. G. BINNEY.

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**PART I.**

AMERICAN AUTHORS.

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WASHINGTON:  
SMITHSONIAN INSTITUTION.

MARCH, 1863.



## ADVERTISEMENT.

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THE Smithsonian Institution has endeavored to procure the compilation of a series of Manuals of North American Conchology, of which several are now in press, and others in an advanced stage of preparation. The present work, which has been compiled by Mr. Binney, serves as a companion to the above mentioned series, and presents at one view the complete bibliography of the references in the other volumes.

Of the two parts into which the plan of Mr. Binney divides the work, Part I, with its three sections, is herewith presented. Part II is in press, and will embrace, in addition, a full index of authors, with a list of the publications of each, and a complete alphabetical index of all the names and synonyms, both generic and specific, referred to.

In order to render the work more perfect, a copy will be sent, as far as possible, to each living author mentioned, who is particularly requested to examine carefully and critically the account of his own writings, and to communicate to the Institution any errors or omissions, or any suggestions for improvement, to be incorporated into an appendix to Part II.

JOSEPH HENRY,  
*Secretary S. I.*

SMITHSONIAN INSTITUTION,  
WASHINGTON, March, 1863.

( ii )

PHILADELPHIA:  
COLLINS, PRINTER.

## PREFACE.

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THE Bibliography of North American Conchology is intended to give a full account first, of the writings of American conchologists generally, and secondly, of such works of foreign authors as relate to the Shells or Mollusks of North America, as far south as about the Isthmus of Tehuantepec, and exclusive of the West Indies. It is therefore divided into two parts, as above indicated. Part I again separated into Section A, American descriptions of North American Mollusks, Section B, American descriptions of foreign Mollusks, and Section C, descriptions of foreign species by American authors in foreign works. Part I of the Bibliography, according to the above limitations, is herewith presented. Part II, to follow immediately, will complete the work and be accompanied by a full index of authors and names, and by a history of American Conchology.

It will be seen that each separate work or paper on the Recent Conchology of North America is taken up, its title and date given, its author's name, and a list of species therein described or in any important manner referred to, together with their synonymy, locality, and the volume, page, plate and figure relating to them. For their value as contributions to our knowledge of geographical distribution I have also quoted all the local lists of species, without descriptions. General works on Natural History and school books containing notices of conchology are sometimes referred to. They are too numerous and of too little importance to the scientific student to make it an object to include them all.

I have not included the Bryozoa. As it was necessary to draw the line between those to be omitted or quoted among the genera of doubtful position, I have decided to give only those included in the "Genera of Recent Mollusca," by H. and A. Adams.

The numerous typographical errors among the specific names of some of our works, especially local catalogues, have caused me some trouble and uncertainty. It was originally my intention to

correct them in my quotations, but it soon became evident that the better way would be to follow the original strictly. I have, therefore, done so, in the majority of cases. Many of the catalogues published without descriptions, and several of the general works not having been transcribed in my MSS., have been placed directly in the hands of the printer to be quoted. In these cases the original has been followed exactly. Generally it is easy to correct a typographical error—thus when an author describes a *Melania altalis*, it is evidently a mistake for *altilis*. And it is often easy to correct such errors as *Helix immitissima*, which my knowledge of the names of our *Helices*, would enable me to change to *minutissima*. But when I find a quotation of *Helix materna*, even my special knowledge does not enable me to decide whether the author refers to *Helix fraterna* or *Helix interna*. In genera which I have not personally studied I should have no clue of this kind to guide me. It has seemed best, therefore, to adopt the plan of giving a faithful reprint of the original. Any corrections of typography which my friends may make, should be confined, therefore, to my own errors, omitting those repeated from the original work.

The geographical limits to which I have confined my work are the whole continent of North America, including Greenland and the Arctic regions on the north, and including on the south the Mexican States of Chiapas and Tabasco. Thus the West Indies are not included, nor should one expect to find as perfect a quotation of the species of South Western Mexico as of any portion of the United States. My limits are such as to embrace the fauna of North America, but not that of Panama or the West Indies.

All the quotations are given from personal examination of the works quoted. The proof has generally been corrected from the original work, thus avoiding many errors committed in transcribing. As it cannot be hoped that no mistakes have escaped my scrutiny, I particularly desire any person to call my attention to any that may be noticed.

W. G. BINNEY.

BURLINGTON, N. J., March, 1863.

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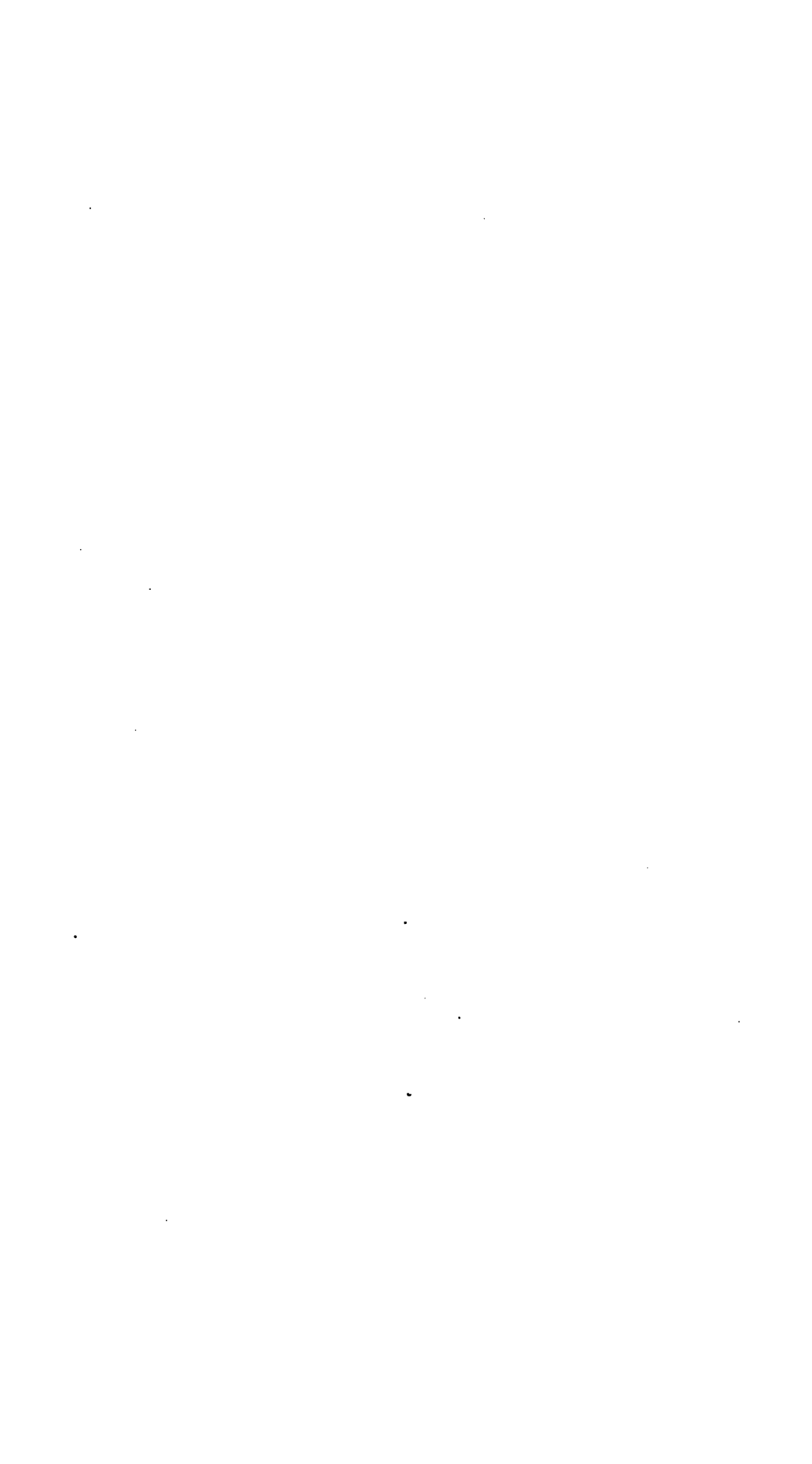
PART I.

AMERICAN AUTHORS.

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A.—WRITINGS ON AMERICAN SPECIES.

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# BIBLIOGRAPHY

OF

## NORTH AMERICAN CONCHOLOGY.

**Rafinesque.**—Monographie des Coquilles bivalves et fluviatiles de la rivière Ohio (contenant douze genres et soixante-huit espèces: par M. C. S. RAFINESQUE, Prof. de bot. et d'hist. nat. à l'Univ. Transylvane de Lexington. Extrait de la 15<sup>me</sup> livraison du 5<sup>me</sup> tome des Annales Générales des Sciences Physiques. Sept. 1820, Bruxelles.)

**Poulson.**—The same, translated by C. A. POULSON, Philadelphia, 1832, without the plates, and with a frontispiece of *Unio verrucosa Raf.*

Page.	Plate.	Fig.	Page of tr.	Name.	Locality.
				FAM. PEDIFERIA.	
				1 <sup>re</sup> Sous-fam. UNIODIA.	
				1 <sup>re</sup> Genre UNIO.	
				1 <sup>re</sup> Sous-genre <b>Elliptio.</b>	
25	LXXX	1-4	15	<i>nigra Raf.</i>	Ohio.
27			18	<i>crassa Say.</i>	
27			19	<i>viridis Raf.</i>	Ohio & Kentucky river.
28			20	<i>fasciata Raf.</i>	Ohio, Alleghany, &c.
28			20	<i>caroliniana Bosc. (no des.)</i>	
28			20	<i>pllicata? Lesueur =</i>	Lac Erie.
				var. d' <i>U. crassa (no des.)</i>	
28			20	<i>purpureus Say (no des.)</i>	Pennsylvania.
29			20	<i>aurata Raf.</i>	Hudson river.
				<i>pictorum</i>	
				2 <sup>me</sup> Sous-genre <b>Leptodea.</b>	
29	LXXX	5-7	21	<i>leptodon Raf.</i>	Ohio.
29			22	<i>fragilis Raf.</i>	
30	LXXX	8-10	22	<i>nervosa Raf.</i>	Ohio river.



Page.	Plate.	Fig.	Page of tr.	Name.	Locality.
30	LXXX	11-13	23	<b>3<sup>me</sup> Sous-genre Aximedia.</b>	Louisville, Maysville. Kentucky river. Ohio river.
30			24	<i>elliptica Raf.</i>	
31			24	<i>levigata Raf.</i> <i>zonalis Raf.</i>	
31	LXXX	14-15	25	<b>4<sup>me</sup> Sous-genre Euryxia.</b>	Ohio river.
31			25	<i>dilatata Raf.</i>	
32			26	<i>latissima Raf.</i> <i>solenoides Raf.</i> (3) <i>U. cylindrica S.</i>	
32	LXXX	16-19	27	<b>2<sup>me</sup> Genre LAMPSILIS.</b>	Kentucky. Hudson river. Hudson river.
32			27	<i>cardium Raf.</i>	
33			28	<i>ovata Say.</i>	
33			28	<i>fasciola Raf.</i>	
33			28	<i>rosea Raf.</i> <i>pallida Raf.</i>	
34	LXXX	20-22	29	<b>3<sup>me</sup> Genre METAPTERA.</b>	Ohio river.
34			30	<i>megaptera Raf.</i>	
34			30	<i>ochraceus Say (no des.)</i> <i>cariosus Say (no des.)</i>	
34	LXXXI	1-4	31	<b>4<sup>me</sup> Genre TRUNCILLA.</b>	Ohio river.
35			31	<i>triqueter Raf.</i> <i>truncata Raf.</i>	
36	LXXXI	5-7	33	<b>5<sup>me</sup> Genre OBLIQUARIA.</b>	Ohio river, Mississippi. Ohio river, Kentucky. Evansville, Indiana. Ohio river.
36			33	<b>1<sup>re</sup> Sous-genre Plagiola.</b>	
36			34	<i>decorticata Raf.</i>	
37			34	<i>interrupta Raf.</i>	
37			35	<i>depressa Raf.</i> <i>lineolata Raf.</i>	
37	LXXXI	10-12	35	<b>2<sup>me</sup> Sous-genre Ellipsaria.</b>	Kentucky river. Ohio river, &c. Ohio river. Monongahela, Potomac. Hudson river.
37			36	<i>ellipsaria Raf.</i>	
38			37	<i>fasciolaris Raf.</i>	
38			37	<i>verrucosa Raf.</i>	
39			38	<i>cuprea Raf.</i> <i>attenuata Raf.</i>	
39	LXXXI	13-14	38	<b>3<sup>me</sup> Sous-genre Quadrula.</b>	Kentucky, &c. Ohio river.
39			39	<i>flava Raf.</i>	
39	LXXXI	15-16	39	<i>cyphya Raf.</i>	Kentucky. Kentucky river.
40			40	<i>metanevra Raf.</i>	
40	LXXXI	19-20	41	<i>reflexa Raf.</i>	Ohio and Kentucky riv.
40			41	<i>retusa Raf.</i>	
41	LXXXI	17-18	41	<i>flexuosa Raf.</i>	Kentucky river. Kentucky river. Ohio river. Ohio river.
41			42	<i>nodulata Raf.</i>	
41			42	<i>quadrula Raf.</i>	
41			43	<i>bullata Raf.</i>	
42	LXXXI	21-23	44	<b>4<sup>me</sup> Sous-genre Rotundaria.</b>	Ohio river, &c. Ohio river, &c. Ohio river.
42			44	<i>tuberculata Raf.</i>	
42			44	<i>subrotunda Raf.</i> <i>pusilla Raf.</i>	

Page.	Plata.	Fig.	Page of tr.	Name.	Locality.
				<b>5<sup>me</sup> Sous-genre Scalemaria.</b>	
43			46	<i>obliquata Raf.</i>	Kentucky river.
43			46	<i>triangularis Raf.</i>	
43	LXXXI	24-25	47	<i>scalemaria Raf.</i>	Kentucky river.
				<b>6<sup>me</sup> Sous-genre Sintoxia.</b>	
44			47	<i>lateralis Raf.</i>	
44			48	<i>sintoxia Raf.</i>	Ohio river.
				<b>II<sup>me</sup> Sous-fam. AMBLEMIDIA</b>	
				<b>6<sup>me</sup> Genre OBOVARIA.</b>	
45			49	<i>obovalis Raf.</i>	Ohio river, &c.
45	LXXXII	1-3	49	<i>torsa Raf.</i>	Ohio river.
45			50	<i>striata Raf.</i>	Ohio river.
46			51	<i>pachostea Raf.</i>	Kentucky river.
46	LXXXII	4-5	51	<i>stegaria Raf.</i>	Ohio river.
46	LXXXII	6-7	52	<i>oordata Raf.</i>	Ohio river.
				<b>7<sup>me</sup> Genre PLEUROBEMA.</b>	
47	LXXXII	8-10	53	<i>mytiloides Raf.</i>	Wabash river.
47			53	<i>cuneata Raf.</i>	Ohio river.
				<b>8<sup>me</sup> Genre AMBLEMA.</b>	
48			55	<i>olivaria Raf.</i>	Kentucky river.
48			55	<i>rubra Raf.</i>	Kentucky river.
48	LXXXII	11-12	56	<i>torulosa Raf.</i>	Kentucky and Ohio riv.
49			56	<i>gibbosa Raf.</i>	Ohio river, &c.
49	LXXXII	13-14	57	<i>costata Raf.</i>	Ohio and Kentucky riv.
				<b>III<sup>me</sup> Sous-fam. ANODONTIDIA.</b>	
				<b>9<sup>me</sup> Genre ANODONTA.</b>	
				<b>1<sup>re</sup> Sous-genre Anodonta.</b>	
50			59	<i>An. marginata Say (no des.)</i>	
50			59	<i>cataracta Say (no des.)</i>	
50			59	<i>atra Raf.</i>	Hudson river.
50			59	<i>cuneata Raf.</i>	Hudson river.
				<b>2<sup>me</sup> Sous-genre Strophitus.</b>	
50			60	<i>undulata Say (no des.)</i>	
				<b>3<sup>me</sup> Sous-genre Lastena.</b>	
50			60	<i>Ohioensis Raf.</i>	Ohio river, &c.
51	LXXXII	17-18	61	<i>lata Raf.</i>	Kentucky river.
				<b>IV<sup>me</sup> Sous-fam. ALASMIDIA.</b>	
				<b>10<sup>me</sup> Genre. ALASMIDONTA.</b>	
51			62	<i>A. marginata Say.</i>	Scioto river.
52	LXXXII	15-16	63	<i>costata Raf.</i>	Kentucky river.

Page.	Plate.	Fig.	Page of tr.	Name.	Locality.
				V <sup>me</sup> Sous-fam. CYCLADIA.	
				11 <sup>me</sup> Genre CYCLAS.	
				<b>Polymesoda.</b>	
52			64	<i>C. Caroliniana</i> Bosc. (no des.)	
				<b>Phymesoda.</b>	
52			64	<i>C. dubia</i> Say (no des.)	
				<b>Amesoda.</b>	
52			64	<i>C. similis</i> Say (no des.)	
				<b>Corbicula (MEXALE).</b>	Foreign species.
				—	
52	LXXXII	19-21	64	<i>C. (Ameroda) lasmapais</i> Raf.	Ohio river, &c.
52			65	<i>C. (Phymeroda) equalis</i> Raf.	Ohio river.
				12 <sup>me</sup> Genre TREMESIA.	
54	LXXXII	22-24	67	<i>Tremesia patelloides</i> Raf.	Ohio river.
54			67	<i>Mytilus recurvus</i> Raf.	New Orleans.
55			68	<i>Unio (Euryntia) teres</i> Raf.	Wabash river.
55			68	<i>Obliquaria (Ellipsaria) sinuata</i> Raf.	Kentucky river.
55			69	<i>O. (Ellipsaria) atrovioleacea</i> Raf.	Kentucky river.
55			69	<i>O. (Plagiola) Cliffordiana</i> Raf.	Kentucky river.
56			70	<i>Unio (Amblema) antrorsa</i> Raf. <i>Obovaria pachostea.</i>	

**Rafinesque.**—Continuation of the same. Philadelphia, Oct. 1831.

Page.	Name.	Locality.
2	<i>Epioblasma</i> n. g.	
2	<i>biloba</i> Raf.	Green and Kentucky rivers.
2	<i>Toxalasma</i> n. g.	
2	<i>ocylips</i> Raf.	Ohio and Mississippi rivers.
2	<i>U. abruptus</i> Say?	
2	<i>cinerescens</i> Raf.	Ohio and Kentucky rivers.
2	<i>lividus</i> Raf.	Rockcastle river.
2	<i>flexus</i> Raf.	Kentucky river.
2	<i>Bariosta</i> Raf. n. g.	
2	<i>ponderosa</i> Raf.	Ohio and Mississippi rivers.
2	<i>Lampallis vittata</i> Raf.	Green river.
2	<i>Euryntia montana</i> Raf.	Cumberland & Alleghany mts.
2	<i>Lampallis diploderma</i> Raf.	Salt river.
3	<i>Metaptera diaphana</i> Raf.	Kentucky.
3	<i>lasabraohys</i> Raf.	Licking river.
3	<i>Euryntia rimosa</i> Raf.	Cumberland river.

Page.	Name.	Locality.
3	<b>Lemiox</b> Raf. n. s. g.	
3	<b>Euryxia fulva</b> Raf.	Green and Rockcastle rivers.
3	<b>Obliquaria calendis</b> Raf.	Dick river.
3	<b>Venus</b> Raf.	Kentucky & Cumberland riv's.
3	<b>Aximedia</b> Raf. n. s. g.	
3	<b>Obliquaria plateolus</b> Raf.	Cumberland river.
3	<b>teneitus</b> Raf.	Kentucky.
3	<b>bicolor</b> Raf.	Kentucky river.
3	<b>violacea</b> Raf.	
3	<i>Unio dilatata</i> Raf.	
3	<b>pallens</b> Raf.	Ohio and Kentucky.
3	<b>rivularis</b> Raf.	Cumberland mountains.
3	<b>fontinalis</b> Raf.	Cumberland mountains.
4	<b>chloris</b> Raf.	Cumberland mountains.
4	<b>Sintoxia</b> Raf.	
4	<b>Obliquaria castanea</b> Raf.	Kentucky.
4	<b>Truncilla perplexa</b> Raf.	Kentucky.
4	<b>granulata</b> Raf.	Salt river.
4	<b>metaplata</b> Raf.	Cumberland and Green rivers.
4	<b>Unio pustulatus</b> Raf.	} Are mentioned by name only.
4	<b>punctatus</b> Raf.	
4	<b>scabar</b> Raf.	
4	<b>elegans</b> Raf.	
4	<b>badius</b> Raf.	
4	<b>crenulatus</b> Raf.	
4	<b>Unio latissima</b> Raf.	
4	<i>U. recta</i> Lam?	
4	<b>retusa</b> Raf. = <b>premorsus</b> Raf.	
4	<b>depressa</b> Raf. = <b>compressus</b> Raf.	
4	<b>sinuata</b> Raf. = <b>cultratus</b> Raf.	
4	<b>Subgenera of Alasmodonta.</b>	
4	<b>Lasmigona</b> Raf.	
4	<b>Amblasmodon</b> Raf.	
4	<b>Decurambis</b> Raf.	
4	<b>Sulcularia</b> Raf.	
5	<b>Pterosyna</b> Raf. n. g. = <b>Alasmodonta complanata</b> Say.	
5	<b>Alasmodon ponderosum</b> Raf.	Ohio and Mississippi.
5	<b>Gonamblyus</b> Raf.	
5	<b>Alasmodon rugosum</b> Raf.	Tennessee river.
5	<b>sulcatum</b> Raf.	Tennessee and Mississippi.
5	<b>viridis</b> Raf.	Ohio river.
5	<b>Amblasmodon hians</b> Raf.	Tennessee river.
5	<b>Decurambis scriptum</b> Raf.	Green river.
5	<b>atropurpureum</b> Raf.	Cumberland River.
5	<b>Sulcularia badius</b> Raf.	Knobs.

Page.	Name.	Locality.
5	<i>papyracea Raf.</i>	East Kentucky.
5	<i>Lasmonos fragilis Raf.</i>	East Kentucky.
6	<i>Anodonta inflata Raf.</i>	Kentucky and Green river.
6	<i>digonota Raf.</i>	Lake Erie.
6	<i>rufa Raf. (no des.)</i>	
6	<i>Flexiptis Raf. n. s. g.</i>	
6	<i>Diplama Raf. n. g.</i>	
	<i>marginata Raf.</i>	Tennessee?

**Rafinesque.**—Apolosia, the Mollusca: by C. S. RAFINESQUE.  
(From Annals of Nature, No. 1, 1820, with descriptions.)

Page.	No.	Name.	Locality.
10		<i>Phylomyous Raf. n. g.</i>	
10	69	<i>quadrolus Raf.</i>	Hudson river.
10	70	<i>oxyurus Raf.</i>	New York.
10	71	<i>fuscus Raf.</i>	Ohio.
10	72	<i>flexuolaris Raf.</i>	Catskill mountains.
10		<i>Eumelus Raf. n. g.</i>	
10	73	<i>nebulosus Raf.</i>	Ohio, Kentucky.
10	74	<i>lividus Raf.</i>	Ohio, Kent'ky, Ind.
10	75	<i>gracilis Raf. (Deroceras?)</i>	Hendersonville, Ky.
10		<i>Hemiloma Raf. n. g. (univalve land shell).</i>	
10	76	<i>ovata Raf. (fossil?)</i>	Lexington.
11	77	<i>Pleurocera verrucosa Raf.</i>	Ohio river.

**Lesueur.**—Descriptions of several new species of Cuttle-fish:  
by C. A. LESUEUR. (From Journal of the Academy of Natural  
Sciences of Philadelphia, vol. ii, part i, 1821.)

Vol.	Page.	Plate.	Name.	Locality.
ii	92	viii	<i>Loligo Pealeii Lesueur.</i>	C. of South Carolina?
ii	95	?	<i>ilicebrosa Lesueur.</i>	Sandy Bay, Newfoundland.
ii	96	?	<i>pavo Lesueur.</i>	Sandy Bay.
ii	98	ix	<i>Onykia Carribæa Lesueur.</i>	Gulf of Mexico.

**Barnes.**—On the Genera *Unio* and *Alasmodonta*; with Intro-  
ductory Remarks: by D. W. BARNES, M. A., Member N. Y.  
Lyc. Nat. Hist. (American Journal Science and Art, O. S. vi,  
No. 1, pp. 107-127; No. 2, pp. 258-280. Date of title, 1823.)

Page.	Fig.	Name.	Locality.
118	1	<i>Unio crassus Say.</i>	Ohio & Mississippi rivers; lakes.
		<i>U. crassidens Lam.</i>	
		<i>Mya ponderosa Dillw.?</i>	
120	2	<i>undulatus Barnes.</i>	Ohio river.
		<i>U. Peruviana? Lam.</i>	

Page.	Fig.	Name.	Locality.
120	3	<i>Unio plicatus</i> Say.	Ohio, Mississippi, Wisconsin.
		<i>U. rariplicata</i> Lam.	
131	4	<i>undatus</i> Barnes.	Wisconsin and Fox rivers.
		<i>U. obliqua</i> Lam. ?	
122	5	<i>cornutus</i> Barnes.	Fox river.
123	6	<i>verrucosus</i> Barnes.	Wisconsin riv. ; Lake Erie.
124	7	<i>nodosus</i> Barnes.	Wisconsin.
125	8	<i>tuberculatus</i> Barnes.	Wisconsin.
126	9	<i>rugosus</i> Barnes.	Ohio.
259	19	<i>ellipticus</i> Barnes.	Fox river.
		<i>U. crassus</i> Say.	
		<i>Mya complanata</i> Dillw.	
259	10	<i>carinatus</i> Barnes.	Fox river.
260		<i>alatus</i> Say.	Wisconsin.
261	11	<i>prælongus</i> Barnes.	Wisconsin.
		<i>U. purpurata</i> Lam. ?	
262	12	<i>gibbosus</i> Barnes.	Wisconsin.
263		<i>cuneatus</i> Barnes.	Ohio river.
264		<i>purpureus</i> Say.	East of Alleghany mts.
		<i>U. purpurescens</i> Lam.	
		<i>rarisulcata</i> Lam. ?	
		<i>coarctata</i> Lam. ?	
		<i>rhombula</i> Lam. ?	
		<i>carinifera</i> Lam. ?	
		<i>Georgina</i> Lam. ?	
265		<i>radiatus</i> Dillw.	North America.
		<i>U. ochraceus</i> Say.	
		<i>radiata</i> Lam.	
266	13	<i>muoronatus</i> Barnes.	Wisconsin river.
266		<i>inflatus</i> Barnes.	Wisconsin riv. & Lake Erie.
267	14	<i>ventricosus</i> Barnes.	Wisconsin and Miss. rivers.
269	15	<i>siliquoides</i> Barnes.	Wisconsin river.
270		<i>ovatus</i> Say.	Ohio and Maumee rivers.
271		<i>cariosus</i> Say.	North America.
272	16	<i>planus</i> Barnes.	Wisconsin river.
272	17	<i>triangularis</i> Barnes.	Detroit river.
273		<i>nasutus</i> Say.	Delaware river.
274		<i>gracilis</i> Barnes.	Wisconsin riv. & the lakes.
		<i>U. alatus</i> Say.	
274	18	<i>parvus</i> Barnes.	Fox river.
277	20	<i>Alasmodonta arcuata</i> Barnes.	West Canada Creek.
278	21	<i>rugosa</i> Barnes.	Fox river.
278	22	<i>complanata</i> Barnes.	Fox river, Wisconsin.
279		<i>marginata</i> Say. (no des.)	
279		<i>undulata</i> Say. (no des.)	

**Lesueur.**—Description of a new species of Cephalopode of the genus *Loligo*: by C. A. LESUEUR. (From Journal Acad. Nat. Sci. of Philadelphia, O. S., vol. iii, pt. 2, 1824.)

Vol.	Page.	Plate.	Name.	Locality.
3	282	x	<i>Loligo brevipinna</i> Lesueur.	Delaware Bay.

**Lesueur.**—Description of several new species of Ascidia: by C. A. LESUEUR. (From the same, vol. iii, pt. 1, 1823.)

Vol.	Page.	Plate.	Name.	Locality.
3	vii	4, 5	<i>Ascidia probosoidea</i> Lesueur. (Only American species.)	Georgia.

**Coates.**—Remarks on the floating apparatus and other peculiarities of the genus *Janthina*: by REYNELL COATES, M. D. (In the Journal of the Academy of Natural Sciences of Philadelphia, vol. iv, pt. 2, p. 356–360, 1825.)

**Barnes.**—Notes on the *Murex corona* of Gmelin: by D. H. BARNES. (From the Annals of the New York Lyceum of Natural History, vol. ii, pp. 291, 292. Read Oct. 8, 1827. Date of title-page of vol. ii, 1828.)

Page.	Name.	Locality.
291	<i>Murex corona</i> Gmel. <i>Fusus corona</i> Lam.	Gulf of Mexico.

**Green.**—Description of *Helix Pennsylvanicus*: by JACOB GREEN. (From the Contributions of the Maclurian Lyceum to the Arts and Sciences, vol. i, No. 1, p. 8. Philadelphia: Jan. 1827.)

**Green.**—Some remarks on the *Unio* of the United States, with a description of a new species: by JACOB GREEN, A. M., Prof. Chem. Jeff. Med. Coll. (From the same, vol. i, No. 2, p. 41. July, 1827.)

[Specific characters, variations, naere, monstrosities, erosion, pearls, habits of various species, and facts concerning synonymy.]

Page.	Fig.	Name.	Locality.
46	iii	<i>Unio Æsopus</i> Green.	Pittsburg.

[Descriptions and figures of *Achatina Stewartii* and *A. Oahuensis* are given in the succeeding article, and in No. 3, by the same author.]

**Barnes.**—Reclamation of Unios: by D. H. BARNES. (Amer. Journal of Science and Arts, O. S., vol. xiii. No. 2, pp. 358–364. Date of title, Jan. 1828.)

[This paper forms a criticism of Valenciennes' Uniones in Humboldt and Bonpland's Zoological Observations.—W. G. B.]

Page.	
359	<i>Unio ovata</i> Val. = <i>U. cariosus</i> Say.
360	<i>Dombeyanus</i> = Conf. <i>U. rugosus</i> and <i>U. undulatus</i> .
360	<i>verrucosus</i> = <i>U. verrucosus</i> b. Barnes.
360	<i>tuberculosis</i> = <i>U. verrucosus</i> Barnes (young).
360	<i>rostratus</i> = <i>U. nasutus</i> Say non Lam.
361	<i>naviformis</i> Lam. = <i>U. cylindricus</i> Say.
361	<i>rectus</i> Lam.
361	<i>hians</i> = <i>Alasmodonta undulata</i> Say.
363	<i>Anodonta glauca</i> = <i>An. marginata</i> Say.
363	<i>purpurea</i> = <i>Alasmodonta</i> .

**Hildreth.**—Observations on, and descriptions of, the Shells found in the waters of the Muskingum River, Little Muskingum, and Duck Creek, in the vicinity of Marietta, Ohio: by S. P. HILDRETH, M. D. (In the American Journal of Science, O. S., vol. xiv, pp. 276–291, 1828. With two plates.)

Page.	Fig.	
278	1	<i>Unio crassus</i> .
278	2	ellipticus.
279	3	cuneatus.
279	4	undulatus.
280	5	plicatus. (Var. of <i>undatus</i> teste Barnes.—Eds. Jour.)
280	6, 7	undatus.
281	8	verrucosus purpureus.
281	9	verrucosus albus.
281	10	nodosus.
282	11	tuberculatus.
282	12	rugosus.
283	13	cylindricus.
283	14	phaseolus.
		(White var. of <i>cuneatus</i> teste Barnes.—Eds. Jour.)
284	15	orbiculatus.
284	16	foliatus [Hildreth].
		(New and distinct, Barnes.—Eds. Journal.)
285	17	alatus.
286	18	prælongus.
286	19	gibbosus.



Page.	Fig.	
286	20	<i>Unio radiatus</i> . ( <i>U. ventricosus</i> (young) Barnes.—Ed. Jr.)
287	21	<i>ovatus</i> .
287	22	<i>triangularis</i> .
288	23	<i>gracilis</i> .
2:9	24	<i>Alasmodonta rugosa</i> .
289	25	<i>oocomplanata</i> .
290	26	<i>Anodonta undulata</i> .
290	27	<i>Paludina decisa</i> .

**Nicklin.**—Conchological Observations on Lamark's Family of Naiades: by PHILIP HOULBROOKE NICKLIN. (From Transactions American Philosophical Society, N. S., vol. iii, pp. 395–399. Read March 6, 1829.)

**Menke.**—Synopsis methodica Molluscorum, etc., quæ in Museo-Menkeano adservantur; cum synonymia critica et novarum specierum diagnosis, auctore CAROLO THEODORO MENKE, M. D.<sup>o</sup>. Pymonti, 1830. Editio altera.

[I give only the American species described as new.—W. G. B.]

Page.	Name.	Locality.
132	<i>Physa striata</i> Menke.	Goshen, Mass.
132	<i>subarata</i> Menke.	Cincinnati.
133	<i>Cyclostoma Mexicanum</i> Menke.	Papantla, Mexico.
134	<i>Paludina sulcosa</i> Menke.	Cincinnati.
134	<i>Melania oruentata</i> Menke.	Cincinnati.
134	<i>ovularis</i> Menke.	Cincinnati.
135	<i>angulosa</i> Menke.	Cincinnati.
135	<i>livescens</i> Menke.	Lake Erie.
135	<i>curta</i> Menke.	Philadelphia.
135	<i>exarata</i> Menke.	Cincinnati.
136	<i>ligata</i> Menke.	Cincinnati.
136	<i>fasciata</i> Menke.	Philadelphia.
136	<i>auriscalpium</i> Menke.	Cincinnati.
137	<i>Oxytrema crenulatum</i> Menke.	Mexico.

**Green.**—Monograph of the Cones of North America, including three new species: by JACOB GREEN, M. D. (From Transactions of the Albany Institute, vol. i. Albany, 1830.)

Page.	Plate.	Fig.	Name.	Locality.
122	iii	1	<i>Conus mus Brug.</i>	Florida Keys.
123	iii	4	<i>Leucosticus Gmel.</i>	Florida Keys.
123	iii	3	<i>Pealii Green.</i>	Keys Vache.
123	iii	5, 6	<i>mamillaris Green.</i>	Florida.
124	iii	2	<i>Marylandicus Green (fossil).</i>	Maryland.
124			<i>deluvianns Green (fossil)</i>	St. Mary's, Md.

(Remarks on *Pecten Clintonius Say*, fossil.)

**Green.**—On the *Dolia* of the United States: by same. (From the same work.)

Page.	Plate.	Name.	Locality.
131	iv	<i>Dolium zonatum Green.</i>	Western coast.
132		<i>perdix Lin.</i>	Chesapeake Bay to Florida.
132		<i>plumatum Green.</i>	
		<i>Buccinum maculosum Solander?</i>	
133		<i>olearium Lin.</i>	Florida.

**Green.**—Notes on the American Shells figured in the Supplement to the *Index Testaceologicus*: by same. (From same work as above. No descriptions are given.)

Page.	
134	<i>Unio (Mya) rotunda Wood = U. circulus Lea.</i> <i>Mya oblongata.</i> <i>nasuta.</i> <i>undulata Wood</i> , not <i>U. undulata Barnes</i> ; <i>U. plicatus Lesueur (teste Lea)</i> is <i>U. Peruviana Lam.</i> <i>gravis</i> and <i>cariosus.</i> <i>rugulosa</i> is not <i>rugosus Barnes</i> (not a var. of <i>metanevra</i> ). <i>obliquus Wood = obliqua Lam.</i> or <i>scalenius Raf.</i>
135	<i>Castalia ambigua</i> not from U. S. <i>Unio rigida Wood.</i> <i>praelonga Barnes = rectus Lam.</i> <i>Hyria unguata Wood</i> not U. S. <i>Strombus noviboracenses Wood = Nassa obscoleta.</i> <i>Helix angulata = Planorbis bicarinatus.</i> <i>Paludina subcarinata Wood = Pal. dissimilis.</i> <i>Helix fraterna Wood = H. hirsuta Say.</i> <i>Paludina discissa Wood = Pal. subcarinata Say.</i> <i>dissimilis Wood = Pal. discissa Say.</i> <i>Virginica Wood = Melania Virginica.</i>
136	<i>Polygyra auriculata Say = Helix Sayii Wood.</i>

(Also remarks on the American species of *Unio* in the British Museum, and notes on figures of *Wood* which are correctly named.)

**Conrad.**—On the Geology and Organic Remains of a part of the peninsula of Maryland: by TIMOTHY A. CONRAD. (In the Journal of the Academy of Natural Sciences of Philadelphia, vol. vi, pt. 2, pp. 205–217, 1830.)

The following species are said to be found recent on our coast:—

Page.		Page.	
207	<i>Crepidula convexa</i> Say.	208	<i>Psammobia fusca</i> Say.
207	<i>glauca</i> Say.	208	<i>lusoria</i> Say.
207	<i>Fusus cinereus</i> Say.	208	<i>Solen Caribæus</i> Linn.
207	<i>Nassa obsoleta</i> Say.	208	<i>ensis</i> Linn.
207	<i>trivittata</i> Say.	208	<i>Venus mercenaria</i> Lam.
207	<i>Natica duplicata</i> Say.	211	<i>Nassa trivittata</i> Say.
207	<i>Ranella caudata</i> Say.	211	<i>obsoleta</i> Say.
207	<i>Arca transversa</i> Say.	211	<i>lunata</i> Say.
207	<i>ponderosa</i> Say.	211	<i>Natica heros</i> Say.
207	<i>Corbula contracta</i> Say.	211	<i>Pyrula carica</i> Lam.
208	<i>Clathrodon cuneata</i> Gray.	211	<i>canaliculata</i> Lam.
	<i>Cyrena truncata</i> Lam. ?	211	<i>Scalaria clathrus</i> .
208	<i>Mactra lateralis</i> Say.	212	<i>Arca arata</i> Say.
208	<i>Mya mercenaria</i> Say.	212	<i>Cytherea concentrica</i> Lam.
208	<i>Mytilus hamatus</i> Say.	212	<i>Ostrea Virginica</i> Lam.
208	<i>Pandora trilineata</i> Say.	212	<i>Saxicava distorta</i> Say.
208	<i>Petricola pholadiformis</i>	212	<i>Venus paphia</i> ?
	Lam.	216	<i>Lucina divaricata</i> Lam.
	<i>P. fornicata</i> Say.	216	<i>Fissurella græca</i> Lam.
208	<i>Pholas costata</i> Lam.		

**Conrad.**—In the same volume of the Journal (pp. 256–268), are descriptions of fifteen new species of recent, and three of fossil shells, chiefly from the coast of the United States, by TIMOTHY A. CONRAD; with a plate. April, 1831.

Page.	Plate.	Fig.	Name.	Locality.
256			<i>Mactra solidissima</i> Chemnitz.	
			<i>M. solida</i> var. <i>β</i> Gmelin.	
			<i>M. procera</i> Solander.	
			<i>M. grandis</i> Solander.	
			<i>M. stultorum</i> Solander.	
			<i>M. gigantea</i> Lamark.	
			<i>M. similis</i> Say.	
257	xi	1	<i>arcata</i> Conrad.	Massachusetts.
258	xi	2, 3	<i>tellinoides</i> Conrad.	Mass., R. I., Fl.
258	xi	4	<i>nucleus</i> Conrad.	New Jersey.
259	xi	5, 6, 7	<i>Cardium Mortonii</i> Conrad.	Northern coast.
260	xi	8	<i>pinnulatum</i> Conrad.	Massachusetts.

Page.	Plate.	Fig.	Name.	Locality.
230			<b>Pecten Pealii</b> <i>Conrad.</i>	Maine.
261	xi	12	<b>Mya hyalina</b> <i>Conrad.</i>	Northern coast.
261			<b>Cytherea convexa</b> <i>Say.</i>	R. I., N. J.
263	xi	11	<b>Anatina Leana</b> <i>Conrad.</i>	Northern coast.
263	xi	13	<b>Mytilus leucophæatus</b> <i>Conrad.</i>	Southern coast.
265			Remarks on <b>Pecten Magellanicus.</b>	
266	xi	17, 18	<b>Velutina rupicola</b> <i>Conrad.</i>	Massachusetts.
266	xi	19	<b>Lacuna pertusa</b> <i>Conrad.</i>	Massachusetts.
267	xi	20	<b>Patella alveus</b> <i>Conrad.</i>	Massachusetts.

**Short; Eaton.**—Notices of Western Botany and Conchology: by C. W. SHORT, M. D., and H. H. EATON, A. M. (From the *Transylvania Journal of Medicine*, Feb. 1831. No descriptions are given, but full notes and the locality of each species.)

Page.	Name.	Page.	Name.
74	<b>Unio plicatus</b> <i>Lesueur.</i>	77	<b>Unio rectus</b> <i>Lea.</i>
	<i>U. costata</i> Raf. ?		<i>U. prælongus</i> Barnes.
74	<b>mytiloides</b> <i>Raf.</i>	78	<b>gibbosus</b> <i>Barnes.</i>
	<i>U. undatus</i> Barnes.	78	<b>conneatus</b> <i>Barnes.</i>
74	<b>scalenius</b> <i>Raf.</i>	78	<b>ovatus</b> <i>Say.</i>
75	<b>ellipsis</b> <i>Lea.</i>	78	<b>occidens</b> <i>Lea.</i>
75	<b>sulcatus</b> <i>Lea.</i>	78	<b>triangularis</b> <i>Barnes.</i>
75	<b>ridibundus</b> <i>Say.</i>	78	<b>parvus</b> <i>Barnes.</i>
75	<b>torulosus</b> <i>Raf.</i>	79	<b>zigzag</b> <i>Lea.</i>
	<i>U. cornutus</i> Barnes.	79	<b>triqueter</b> <i>Raf.</i>
	<i>U. foliatus</i> Hildreth.		<i>U. calceolus</i> <i>Lea.</i>
75	<b>verrucosus</b> <i>Barnes.</i>	79	<b>monodonta</b> <i>Say.</i>
76	<b>metanever</b> <i>Raf.</i>		<i>Alasmodonta costata</i> Raf.
	<i>U. nodosus</i> Barnes.	80	<b>Symphonota alata</b> <i>Lea.</i>
	<i>U. rugosus</i> Barnes.		<i>U. alatus</i> <i>Say.</i>
76	<b>lachrymosus</b> <i>Lea.</i>	80	<b>complanata</b> <i>Lea.</i>
76	<b>tuberculatus</b> <i>Barnes.</i>		<i>Alasm. complanata</i> Barn.
76	<b>cylindricus</b> <i>Say.</i>	80	<b>lævissima</b> <i>Lea.</i>
76	<b>carlosus</b> <i>Say.</i>	80	<b>gracilis</b> <i>Lea.</i>
	<i>U. crassus</i> <i>Say.</i>		<i>U. gracilis</i> Barnes.
	<i>U. carinatus</i> Barnes.		<i>U. planus</i> Barnes.
	<i>U. ellipticus</i> Barnes.	80	<b>tenuissima</b> <i>Lea.</i>
77	<b>phaseolus</b> <i>Hildreth.</i>		<i>Anodonta lata</i> Raf. ?
	<i>U. planulatus</i> <i>Lea.</i>	81	<b>Alasmodonta rugosa</b> <i>Barnes.</i>
77	<b>securis</b> <i>Lea.</i>	81	<b>Anodonta undulata</b> <i>Say.</i>
	<i>U. depressa</i> Raf.	81	<b>Cyclas similis</b> <i>Say.</i>
77	<b>torvus</b> <i>Raf.</i>	82	<b>Melania Sayii</b> <i>Wood.</i>
77	<b>circulus</b> <i>Lea.</i>	82	<b>Virginica</b> <i>Say</i> (Limnes).
77	<b>irroratus</b> <i>Lea.</i>	82	<b>Paludina decisa</b> <i>Say.</i>
		82	— ?

**Rafinesque.**—Enumeration and account of some remarkable Natural Objects in the Cabinet of Prof. RAFINESQUE, in Philadelphia. Philadelphia, Nov. 1831.

FLUVIATILE UNIVALVE SHELLS.

Page.	Name.	Locality.
2	<i>Pleurocera gonula Raf.</i>	Kentucky river.
3	<i>acuta Raf.</i>	Lake Erie.
3	<i>rugosa Raf.</i>	Western Kentucky.
3	<i>Melania (Amblopus) rugosa Raf.</i>	Cumberland mountains.
3	<i>viridis Raf.</i>	Licking river.

LAND UNIVALVE SHELLS.

3	<i>Aplodon Raf. n. g.</i>	
3	<i>nodosum Raf.</i>	Kentucky.
3	<i>Stenostoma Raf. n. g.</i>	
3	<i>convexa Raf.</i>	Kentucky.
3	<i>Toxostoma Raf. n. g.</i>	
3	<i>globularis Raf.</i>	Kentucky.
3	<i>Mesodon Raf. n. g.</i>	
3	<i>maculata Raf.</i>	
3	<i>Trophodon Raf. n. g.</i>	
3	<i>Odomphium Raf. n. g.</i>	
3	<i>Omphalina Raf. n. g.</i>	
3	<i>cuprea Raf.</i>	Kentucky.
3	<i>Trilodopsis Raf. n. g.</i>	
3	<i>lunula Raf.</i>	Kentucky.
3	<i>Menomphis Raf. n. s-g.</i>	
3	<i>Xolotrema Raf. n. g.</i>	
3	<i>clausa Raf.</i>	
3	<i>Agatina variegata Raf.</i>	Louisiana.
3	<i>fuscata Raf.</i>	Texas.

**Green.**—Notes of a Naturalist: by JACOB GREEN, M. D. (From the Cabinet of Natural History and American Rural Sports, vol. ii. J. & T. Doughty: Philadelphia, 1832.)

Page.	Name.	Locality.
290	<i>Unio capax Green.</i>	Falls of St. Anthony; Bayou Têche.
291	<i>Helicina rubella Green.</i>	Western Pennsylvania.
291	<i>Paludina Alleghanensis Green.</i>	Mountains of Pennsylvania.

**Anonymous.**—Ohio Shells; a criticism on Notices of Western Botany and Conchology by C. W. SHORT, M. D., and H. HULBERT EATON, A. M. (R. S); and Monograph of the Bivalve Shells of the river Ohio: translated from the French of Prof. RAFINESQUE by C. A. POULSON, Esq. (From the Monthly American Journal of Geology and Natural Science, vol. i, No. 8, pp. 370-377. Philadelphia, Feb. 1832.)

**Investigator.**—Remarks on the article contained in Silliman's Journal for April, 1832, entitled "Mr. Lea on the Naiades:" by INVESTIGATOR. (From the same, vol. i, No. 12, pp. 537-549. June, 1832.)

## Page.

543	<i>Unio occidentalis</i> Lea = <i>U. ventricosus</i> Barnes.
544	<i>oriens</i> Lea = <i>U. dehiscens</i> Say.
544	<i>trapezoides</i> Lea = <i>U. interruptus</i> Say.
544	<i>multiplicatus</i> Lea = <i>U. heros</i> Say.
544	<i>ellipsalis</i> Lea = <i>U. olivaria</i> Rafinesque.
545	<i>irroratus</i> Lea = <i>U. stegaria</i> var. Rafinesque.
545	<i>planulatus</i> Lea = <i>U. fasciolaris</i> Rafinesque.
545	<i>circulus</i> Lea = <i>U. striata</i> var. <i>rosea</i> Rafinesque.
	<i>U. orbiculatus</i> } are also remarked on.
	<i>torsus</i> }
	<i>rotundata</i> }
545	<i>patulus</i> Lea = <i>U. cuneata</i> Rafinesque.
545	<i>rubiginosus</i> Lea = <i>U. flava</i> Rafinesque.
546	<i>donaciformis</i> Lea = <i>U. truncata</i> Rafinesque.
546	<i>securis</i> Lea = <i>U. depressa</i> Rafinesque.
546	<i>pustulosus</i> Lea = <i>U. bullata</i> Rafinesque.
546	<i>pustulatus</i> Lea = <i>U. nodosa</i> Rafinesque.
546	<i>soleniformis</i> Lea = <i>U. monodonta</i> Say.
546	<i>perplexus</i> Lea = <i>U. gibbosa</i> Rafinesque.
546	<i>pileus</i> Lea = <i>U. flexuosus</i> Rafinesque.
546	<i>sulcatus</i> Lea = <i>U. obliquata</i> Rafinesque.
546	<i>pyramidatus</i> Lea = <i>U. rubra</i> Rafinesque.
546	<i>lachrymosus</i> Lea = <i>U. metanevra</i> Rafinesque?
	<i>U. metanevra</i> Rafinesque, is not <i>U. quadrula</i> .
546	<i>asperrimus</i> Lea = <i>U. rugosus</i> Barnes.
546	<i>brevidens</i> Lea = <i>U. depressa</i> Rafinesque.
546	<i>varicosus</i> Lea = <i>U. esopus</i> Green.

**Conrad.**—On some New Fossil and Recent Shells of the United States: by T. A. CONRAD. (Am. Journ. Sci., O. S., xxiii, No. 2, pp. 339-346. Date of title-page, Jan. 1833.)

## RECENT SHELLS.

Page.	Name.	Locality.
344	<i>Lucina Floridana</i> Conrad.	Pensacola.
345	<i>Cytherea Sayana</i> Conrad. <i>C. convexa</i> Say (preoc.)	Rhode Isl. & N. Jersey.
345	<i>Melampus borealis</i> Conrad.	Rhode Island.
345	<i>Ungulina transversa</i> Lam. (notes on).	West Indies.
345	<i>Lima glacialis</i> Lam. (notes on).	West Indies.
346	<i>Pholas costata</i> Lin. (notes on).	Mid. & Southern States.
346	<i>Cardium Mortoni</i> Conrad (notes on).	Southern States, Fla.

**Ravenel.**—Catalogue of Recent Shells in the Cabinet of ED-MUND RAVENEL, M. D. Charleston, S. C., 1834.

[No descriptions are given. The following are the American species:—]

Page.	Name.	Locality.
2	<i>Teredo navalis</i> Lam.	South Carolina.
2	<i>Pholas costata</i> Lam.	South Carolina.
2	<i>oblongata</i> Say.	South Carolina.
2	<i>truncata</i> Say.	South Carolina.
2	<i>cuneiformis</i> Say.	South Carolina.
2	<i>Solen ensis</i> Lam.	Maine, South Carolina.
2	<i>viridis</i> Say.	South Carolina.
2	<i>caribceus</i> Lam.	South Carolina.
2	<i>radiatus</i> .	Massachusetts.
2	<i>Mya arenaria</i> Lam.	Bay of New York.
2	<i>Lutraria canaliculata</i> Say.	South Carolina.
2	<i>lineata</i> Say (rare).	South Carolina.
2	<i>Maetra gigantea</i> Lam. <i>solidissima</i> Chem. <i>similis</i> Say. <i>grandis</i> Solander.	Massachusetts.
2	<i>similis</i> Say. <i>grandis</i> Solander.	South Carolina.
2	<i>lateralis</i> Say.	South Carolina.
2	<i>oblongata</i> Say.	South Carolina.
3	<i>Amphidesma equale</i> Say.	South Carolina.
3	<i>orbiculata</i> Say.	South Carolina.
3	<i>lepida</i> Say.	South Carolina.
3	<i>Corbula contracta</i> Say.	South Carolina.
3	<i>Pandora trilineata</i> Say.	Nantucket.
3	<i>Pectriola pholadiformis</i> Lam	South Carolina.
3	<i>dactylus</i> Sowb.	South Carolina.
3	<i>flagellata</i> (new) Say.	South Carolina.
3	<i>Sanguinolaria lusoria</i> Conrad. <i>Psemmobia lusoria</i> Say.	South Carolina.

Page.	Name.	Locality.
3	<i>Sanguinolaria fusca</i> Conrad. <i>Psammobia fusca</i> Say.	South Carolina.
3	<i>Tellina tenuis</i> ?	South Carolina.
4	<i>interrupta</i> Dillw.	South Carolina.
4	<i>alternata</i> Say.	South Carolina.
4	<i>polita</i> Say.	South Carolina.
4	<i>iris</i> Say.	South Carolina.
4	<i>brevifrons</i> Say (new).	South Carolina.
4	<i>Lucina edentula</i> Lam.	South Carolina.
4	<i>divaricata</i> Lam.	South Carolina.
4	<i>Donax variabilis</i> Say.	South Carolina.
4	<i>Crassina castanea</i> Say.	Maine.
4	<i>Cyclas partumœia</i> Say.	South Carolina.
4	<i>similis</i> Say.	Pennsylvania.
4	<i>Cyrena carolinensis</i> Lam.	South Carolina.
4	<i>Cyprina Islandica</i> Lam.	Massachusetts.
4	<i>Cytherea gigantea</i> Lam.	East Florida.
4	<i>concentrica</i> Lam.	South Carolina.
4	<i>Sayana</i> .	Rhode Island.
4	<i>Venus mercenaria</i> Lam.	South Carolina.
5	<i>paphia</i> .	South Carolina (rare).
5	<i>notata</i> Say.	N. York, South Carolina.
5	<i>Cardium Isocardia</i> Lam.	South Carolina (rare).
5	<i>muricatum</i> Lam. (var.)	South Carolina.
5	<i>maculatum</i> Dillw.	South Carolina.
5	<i>Mortoni</i> Conrad.	Massachusetts.
5	<i>Arca scapha</i> Lam.	South Carolina (rare).
5	<i>incongrua</i> Say.	South Carolina.
5	<i>pexata</i> Say.	South Carolina.
5	<i>ponderosa</i> Say.	South Carolina.
5	<i>transversa</i> Say.	South Carolina.
5	<i>Campechensis</i> Dillw.	South Carolina.
5	<i>Unio alatus</i> Lam. <i>Symphinota alata</i> Lea.	Ohio river.
5	<i>angustatus</i> Lea.	Cooper river, S. C.
5	<i>asperimus</i> Lea.	Ohio river.
5	<i>œsopus</i> Greene.	Ohio river.
5	<i>cariosus</i> Say.	Ohio river.
5	<i>circulus</i> Lea. <i>U. rotundatus</i> Lam.	Ohio river.
6	<i>complanatus</i> Soland. <i>U. purpureus</i> Say.	South Carolina.
	<i>careniifera</i> Lam. (var.)	
6	<i>congarus</i> Lea.	Congaree river, S. C.



## BIBLIOGRAPHY OF

Page.	Name.	Locality.
6	<b>Unio cornutus</b> <i>Barnes.</i> <i>U. reflexus</i> Raf.	Ohio river.
6	<b>cuneatus</b> <i>Barnes.</i> <i>U. niger</i> Raf.	Ohio river.
6	<b>cylindricus</b> <i>Say.</i> <i>U. naviformis</i> Lam.	Ohio river.
6	<b>declivus</b> <i>Lea</i>	Alabama river.
6	<b>elipsalis</b> <i>Lea.</i>	Ohio river.
6	<b>foliatus</b> <i>Hildreth.</i>	Ohio river.
6	<b>formosus</b> <i>Lea.</i> <i>U. cuneatus</i> Swainson.	Ohio and Niagara rivers.
6	<b>gibbosus</b> <i>Barnes.</i>	Ohio river.
6	<b>irroratus</b> <i>Lea.</i>	Ohio river.
6	<b>lacrymosus</b> <i>Lea.</i> <i>U. quadrulus</i> <i>Say.</i>	Ohio river.
6	<b>lens</b> <i>Lea.</i>	Ohio river.
6	<b>metanever</b> <i>Raf.</i>	Ohio.
6	<b>multiplicatus</b> <i>Lea.</i>	Ohio.
6	<b>mytiloides</b> <i>Raf.</i>	Ohio.
6	<b>nasutus</b> <i>Say.</i> <i>U. rostrata</i> <i>Valenc.</i>	S. Carolina, Massachu'ts.
6	<b>ochraceus</b> <i>Say.</i>	Schuykill river.
6	<b>ovatus</b> <i>Say</i> Lam. 23	
6	<b>perplexus</b> <i>Lea.</i>	Ohio river.
6	<b>plicatus</b> <i>Lesueur.</i> <i>U. crassidens</i> Lam. <i>peruvianus</i> Lam. <i>rariPLICATA</i> Lam.	Ohio river.
6	<b>pustulatus</b> <i>Lea.</i>	Ohio.
6	<b>pustulosus</b> <i>Lea.</i>	Ohio.
6	<b>pyramidatus</b> <i>Lea.</i> <i>U. undatus</i> <i>Barnes.</i>	Ohio.
6	<b>rectus</b> <i>Lam.</i>	Ohio.
6	<b>radiatus</b> <i>Gmel.</i> <i>U. radiata</i> Lam. <i>virginiana</i> Lam.	Pennsylvania, S. Carol'a.
6	<b>securis</b> <i>Lea.</i> <i>U. depressa</i> Raf.	Ohio.
6	<b>siliquoides</b> <i>Barnes.</i>	Ohio.
6	<b>scalenius</b> <i>Raf.</i>	Ohio.
6	<b>subovatus</b> <i>Lea.</i>	Ohio.
6	<b>subtentus</b> <i>Say.</i>	Virginia.
6	<b>sulcatus</b> <i>Lea.</i>	
7	<b>tseneatus</b> (new?)	Cooper river, S. C.
7	<b>tenerus</b> (new?)	Cooper river, S. C.

Page.	Name.	Locality.
7	<i>Unio torsus Raf.</i>	Ohio.
7	<i>triangularis Barnes.</i>	Ohio.
7	<i>tuberculatus Barnes.</i>	Ohio.
7	<i>verrucosus Barnes.</i>	Ohio.
7	<i>zigzag Lea.</i>	Ohio.
7	<i>Alasmodonta arcuata Say.</i>	Maine, New Jersey.
7	<i>coarctata (new?)</i>	Riv's in upper part S. C.
7	<i>complanata Say.</i>	Ohio.
	<i>Symphinota complanata Lea.</i>	
7	<i>marginata.</i>	Mass., Niagara river.
7	<i>undulata.</i>	New Jersey.
7	<i>rugosa Barnes.</i>	Tennessee.
7	<i>Anodonta cataracta Lam.</i>	Maine, South Carolina.
7	<i>Chama arcinella Lam.</i>	South Carolina.
7	<i>Modiola papuana Lam.</i>	Maine.
7	<i>tulipa Lam.</i>	East Florida.
7	<i>lithophaga Lam. (rare.)</i>	East Florida.
7	<i>Mytilus borealis Lam.</i>	New York.
7	<i>demissus Say.</i>	South Carolina.
7	<i>leucopheus Conrad.</i>	South Carolina.
7	<i>Pinna seminuda? Lam.</i>	South Carolina.
7	<i>muricata? Lam.</i>	South Carolina.
	<i>P. rigida Wood.</i>	
8	<i>Avicula macroptera? Lam.</i>	South Carolina.
8	<i>Lima squamosa Lam.</i>	East Florida.
8	<i>glacialis Lam.</i>	East Florida.
8	<i>Pecten Magellanicus Lam.</i>	Maine.
8	<i>Islandicus Lam.</i>	Newfoundland.
	<i>P. Peleii Conrad.</i>	
8	<i>concentricus Say.</i>	Massachusetts.
8	<i>dislocatus Say.</i>	East Florida.
8	<i>Plicatula cristata Lam.</i>	South Carolina.
8	<i>Ostrea Virginica Lam.</i>	South Carolina.
8	<i>equestris Say (new).</i>	South Carolina.
8	<i>fundata Say (new).</i>	South Carolina.
8	<i>Anomia ephippium Lam.</i>	South Carolina.
8	<i>Chiton apiculatus Say (new).</i>	South Carolina.
9	<i>Fissurella alternata Say.</i>	South Carolina.
9	<i>Crepidula fornicata Lam.</i>	South Carolina.
9	<i>aculeata Lam.</i>	South Carolina.
9	<i>convexa Say.</i>	South Carolina.
9	<i>plana Say.</i>	South Carolina.
9	<i>Bulla solitaria Say.</i>	South Carolina.
9	<i>Helix aspersa Lam.</i>	South Carolina.
9	<i>albolabris Say.</i>	S. Carolina, Penn'a.

Page.	Name.	Locality.
9	<b>Helix thyroideus</b> Say.	South Carolina.
9	<i>ligera</i> .	Pennsylvania.
9	<i>inornatus</i> Say.	South Carolina.
9	<i>perspectiva</i> .	Pennsylvania.
9	<i>tridentata</i> Say.	Pennsylvania.
	<i>II. trid. var. epliabus</i> Say.	South Carolina.
9	<i>avara</i> Say.	South Carolina.
9	<i>appressa</i> Say.	Pennsylvania.
9	<i>hirsuta</i> .	Pennsylvania.
9	<i>suppressa</i> Say.	South Carolina.
9	<i>gularis</i> .	Pennsylvania.
9	<i>glaphyra</i> .	Pennsylvania.
9	<i>fuliginosus</i> .	Pennsylvania.
10	<i>profunda</i> Say.	Pennsylvania.
10	<i>concava</i> .	Pennsylvania.
10	<i>Pennsylvanica</i> .	Pennsylvania.
10	<i>solitaria</i> .	Ohio.
10	<i>alternata</i> Say.	North Carolina.
10	<b>Bulimus undatus</b> Lam. (var.)	East Florida.
10	<i>mutilatus</i> Say.	South Carolina.
10	<b>Achatina glans</b> Lam.	South Carolina.
10	<b>Succinea ovalis</b> Say.	Pennsylvania.
10	<i>obliqua</i> .	Pennsylvania.
11	<b>Planorbis trivolvis</b> Say.	Delaware.
11	<i>lentus</i> Say.	South Carolina.
11	<i>complanatus</i> .	Western lakes.
11	<b>Physa heterostropha</b> .	Lehigh river, Penn'a.
11	<i>gyrina</i> Say.	South Carolina.
11	<b>Lymnæa catascopium</b> .	Delaware.
11	<i>merostoma</i> .	Near Philadelphia.
11	<i>columella</i> .	Pennsylvania.
11	<i>emarginata</i> .	Maine.
11	<b>Melania subularis</b> Lea.	Niagara river.
11	<i>virginea</i> .	Schuylkill.
11	<i>dissimilis</i> .	Susquehanna.
11	<i>canaliculata</i> Say.	Ohio.
11	<i>carinata</i> (new?)	Yadkin river, N. C.
11	<i>costata</i> (new?)	Dan river, Virginia.
11	<i>dislocata</i> (new?)	Dan river, Virginia.
11	( <i>Anculosa</i> ) <i>procrossa</i> Say.	Ohio.
11	( <i>A.</i> ) <i>subcarinata</i> .	Susquehanna.
11	<i>conica</i> Say.	Ohio.
11	<b>Jo fusiformis</b> Lea.	Virginia.
	<i>Fusus fluviatilis</i> .	
11	<b>Pyrena scalariformis</b> Say.	East Florida.

Page.	Name.	Locality.
11	<b>Valvata tricarinata.</b>	New York canal.
11	<b>Paludina vivipara?</b>	St. John's riv E. Florida.
12	<i>decisa</i> Say.	Maine, South Carolina.
12	<i>subcarinata.</i>	Schuykill.
12	<i>ponderosa</i> Say.	Ohio.
12	<i>maxima</i> (new?)	French Broad river.
12	<i>intertexta</i> Say.	So. Carolina very rare).
12	<i>rudis</i> (new?)	Dan river, Virginia.
12	<i>nitida</i> (new?)	Dan river, Virginia.
12	<i>altalis</i> (new?)	Santee canal.
12	<b>Nerita peloronta</b> Lam.	East Florida.
12	<b>Natica heros</b> Say.	Massachusetts.
12	<i>duplicata</i> Say.	South Carolina.
12	<b>Sigaretus perspectivus</b> Say.	South Carolina.
13	<b>Tornatella bidentata</b> Say.	South Carolina.
13	<b>Scalaria clathrus</b> Say (var. b).	South Carolina.
	<i>angulata</i> Say (var.)	
13	<i>lineata</i> Say.	South Carolina.
13	<i>multistriata</i> Say.	South Carolina.
13	<b>Turbo littoreus</b> Lam.	United States.
14	<b>Phasianella sulcata</b> Lam.	South Carolina.
14	<i>angulifera</i> Lam.	East Florida.
14	<b>Cerithium dislocatum</b> Say.	South Carolina.
14	<i>concovum?</i> Say.	South Carolina.
14	<i>spiratum</i> (new?)	South Carolina.
14	<b>Cancellaria reticulata</b> Lam.	South Carolina.
14	<b>Fasciolaria tulipa</b> Lam.	South Carolina.
14	<i>distans</i> Lam.	South Carolina.
14	<i>trapezium</i> Lam.	South Carolina.
14	<b>Fusus Islandicus</b> Lam.	Maine.
14	<i>corona</i> Lam.	East Florida.
14	<i>cinereus</i> Say.	South Carolina.
14	<i>decemcostatus.</i>	Maine.
14	<b>Pyrula canaliculata</b> Lam.	South Carolina.
14	<i>carica</i> Lam.	South Carolina.
14	<i>perversa.</i>	South Carolina.
15	<i>reticulata?</i> Lam.	East Florida.
15	( <i>Fulgur pyruloides</i> ) Say.	South Carolina.
15	<b>Ranella caudata</b> Say.	South Carolina.
15	<b>Murex asperrimus?</b> Lam.	South Carolina.
15	<b>Strombus accipitrinus</b> Lam. (var?)	East Florida.
15	<i>pyrulatus</i> Lam.	Key West.
16	<b>Purpura lapillus</b> Lam.	Maine.
16	<b>Dolium galea</b> Lam. (var.)	South Carolina.
17	<b>Buccinum undatum</b> (var.)	Maine.

Page.	Name.	Locality.
17	<b>Nassa trivittata</b> <i>Say.</i>	South Carolina.
17	<i>obsoleta</i> <i>Say.</i>	South Carolina.
17	<i>vibex</i> <i>Say.</i>	South Carolina.
17	<b>Colombella avara</b> <i>Say.</i>	South Carolina.
18	<b>Volvaria canaliculata</b> <i>Say.</i>	South Carolina.
18	<b>Ovula gibbosa</b> <i>Lam.</i>	East Florida.
18	<i>acicularis</i> <i>Lam.</i>	South Carolina.
18	<b>Cypræa cervina</b> <i>Lam.</i>	East Florida.
19	<b>Oliva sayana.</b>	South Carolina.
	<i>O. litterata</i> <i>Say.</i>	
19	<i>Zonalls</i> <i>Wood.</i>	Mexico.
19	<i>tenebrosa</i> <i>Wood.</i>	Mexico.
19	<i>mutica</i> <i>Say.</i>	South Carolina, Cuba.
19	<b>Conus mus</b> <i>Lam.</i>	East Florida.
19	<b>Spirula Peronii</b> <i>Lam.</i>	South Carolina.
20	<b>Argonauta argo</b> <i>Lam.</i>	East Florida.

**Kirtland.**—Observations on the Sexual Characters of the Animals belonging to Lamark's Family of Naiades: by JARED P. KIRTLAND, M. D. (In American Journal of Science, vol. xxvi, No. 1, O. S., pp. 117-120; with outline figures. Date of title-page, July, 1834.)

Page.

119 **Unio formus** *Lea*, is male of **Unio triangularis** *Barnes.*  
    *ridibundus* *Say*, is female of **U. sulcatus** *Lea.*

Outline figures are given of male and female of

<b>Unio ventricosus.</b>	<b>Unio ochraceus.</b>
<i>nasutus.</i>	<i>siliquoideus.</i>
<i>rectus.</i>	

**Totten.**—Description of some new Shells belonging to the coast of New England: by JOS. G. TOTTEN. (In American Journal of Science, vol. xxvi, No. 2, O. S.; one plate. Date of title-page, July, 1834.)

Page.	Fig.	Name.	Locality.
366	1, h, i	<b>Solemya borealis</b> <i>Totten.</i>	Rhode Island.
366	1, k	<i>velum</i> <i>Say</i>	
367	2	<b>Venus gemma</b> <i>Totten.</i>	Provincetown, Newport.
367	3	<b>Modiola glandula</b> <i>Totten.</i>	Provincetown.
368	4	<b>Actæon trifidus</b> <i>Totten.</i>	Rhode Island.

Page.	Fig.		
368	5	<b>Turbo inflatus</b> <i>Totten.</i>	Plymouth.
369	6	<b>minutus</b> <i>Totten.</i>	Mass., Rhode Island.
369	7	<b>Pasithea nigra</b> <i>Totten.</i>	Rhode Island.

**Rogers.**—Analysis of Shells (recent Oyster): by WILLIAM B. ROGERS, Prof. of Chem. and Nat. Phil. in William and Mary College, Va. [From same as last, p. 361.]

**Conrad.**—Description of some New Species of Fresh-water Shells from Alabama, Tennessee, &c.: by TIMOTHY A. CONRAD, Member of the Acad. Nat. Sci. of Philadelphia. (Am. Journ. Sci. and Art. vol. xxv, No. 2, O. S. Date of title, Jan. 1834.)

Page.	Pl.	Fig.	Name.	Locality.
338	i	2	<b>Unio ocelatus</b> <i>Conrad.</i>	Elk & Flint rivs., Tenn.
338	i	3	<b>perovatus</b> <i>Conrad.</i>	Prairie creek, Marengo Co., Ala.
339	i	4	<b>henosus</b> <i>Conrad.</i>	South Alabama.
339			<b>rubiginosus</b> <i>Lea</i> (no des.)	South Alabama.
339	i	6	<b>stramineus</b> <i>Conrad.</i>	South Alabama.
340	i	8	<b>arcus</b> <i>Conrad.</i>	Alabama river.
340	i	9	<b>arctatus</b> <i>Conrad.</i>	Bl. Warrior & Ala. rivs.
341	i	10	<b>Alasmodonta radiata</b> <i>Conrad.</i>	South Alabama.
341	i	12	<b>Anodonta subvexa</b> <i>Conrad.</i>	Black Warrior river.
341	i	11	<b>declivis</b> <i>Conrad.</i>	Flint river, Morgan Co. Ala.
342	i	5	<b>Cycas staminea</b> <i>Conrad.</i>	South Alabama.
342	i	13	<b>Melania olivula</b> <i>Conrad.</i>	Alabama river.
342	i	14	<b>prasinata</b> <i>Conrad.</i>	Alabama river.
342	i	15	<b>Anculosa picta</b> <i>Conrad.</i>	Alabama river.
343	i	3	<b>Unio subtentus</b> <i>Say</i> var.	Tennessee and Elk rivs.
343	i	7	<b>mytilloides</b> <i>Raf.</i>	Alabama river.
343			<b>Planorbis antrosus</b> <i>Conrad.</i>	Randon's creek, Claiborne, Ala.
343			<b>Melania congesta</b> <i>Conrad.</i>	Randon's creek, do.
343			<b>Physa pomilia</b> <i>Conrad.</i>	Randon's creek, do.

**Conrad.**—New Fresh-water Shells of the United States, with colored illustrations, and a Monograph of the genus *Anculotus* of *Say*; also, a Synopsis of the American *Naiades*: by T. A. CONRAD, Memb. Acad. Nat. Sci. Philadelphia. Philadelphia, 1834.

In the Introduction are remarks on the following species, their synonymy, geographical distribution, &c. :—

Page.		Page.	
7	<i>Unio cardium.</i>	12	<i>Anculotus tæniatus.</i>
7	<i>inflatus.</i>	14	<i>Unio deciusus.</i>
7	<i>alatus.</i>	14	<i>trapexoides.</i>
7	<i>cariosus.</i>	14	<i>Alabamensis.</i>
7	<i>Alasmodonta marginata.</i>	14	<i>arotatus.</i>
8	<i>Unio purpureus.</i>	15	<i>Rangia cyrenoides.</i>
8	<i>declivis.</i>	17	<i>Unio rectus.</i>
8	<i>parvus.</i>	17	<i>acutissimus.</i>
9	<i>ater.</i>	17	<i>teres.</i>
9	<i>torsus.</i>	17	<i>plicatus.</i>
9	<i>nasutus.</i>	17	<i>reflexus.</i>
10	<i>reflexus.</i>	17	<i>verrucosus.</i>
10	<i>cornutus.</i>	17	<i>undatus</i>
10	<i>verrucosus.</i>	17	<i>interruptus.</i>
10	<i>tuberculatus.</i>	17	<i>stapes.</i>
10	<i>declivis.</i>	17	<i>arcus.</i>
10	<i>flavus.</i>	17	<i>acutissimus.</i>
10	<i>rubiginosus.</i>	17	<i>deciusus.</i>
10	<i>stramineus.</i>	17	<i>scalenius.</i>
10	<i>perovatus.</i>	17	<i>Alabamensis.</i>
11	<i>flavus.</i>	18	<i>asper.</i>
11	<i>teres.</i>	18	<i>apiculatus.</i>
11	<i>cariosus.</i>	18	<i>arctatus.</i>
12	<i>anodontoides.</i>	18	<i>glans.</i>
12	<i>fragilis.</i>	18	<i>tæniatus.</i>
12	<i>gracilis.</i>	18	<i>maculatus.</i>
12	<i>Fusus fluvialis.</i>	18	<i>subtentus.</i>
12	<i>Io fusiformis.</i>	18	<i>cælatus.</i>
12	<i>Paludina ponderosa.</i>	18	<i>trabalis.</i>
12	<i>Unio niger.</i>	18	<i>alatus.</i>
12	<i>reflexus.</i>	18	<i>Anodonta declivis.</i>
12	<i>triangularis.</i>	22	<i>Valvata arenifera.</i>
12	<i>Anculotus pictus.</i>		

Page.	Pl.	Fig.	Name.	Locality.
25	i		<i>Unio Poulsoni Conrad.</i>	Black Warrior riv., Ala.
26	iv	2	<i>tæniatus Conrad.</i>	Flint river, Morgan Co.
27	iii	5	<i>trabalis Conrad.</i>	[Ala.]
28	iii	7	<i>nebulosus Conrad.</i>	Black Warrior riv., Ala.
29	iii	3	<i>cor Conrad.</i>	Elk & Flint rivs., Ala.
29	iii	4	<i>cælatus Conrad.</i>	Tenn., Elk & Flint rivs.
30	iv	4	<i>maculatus Conrad.</i>	Tenn., Elk & Flint rivs.
31	iv	3	<i>vibex Conrad.</i>	Black Warrior riv., Ala.

Page.	Pl.	Fig.	Name.	Locality.
32	iv	1	<b>Greenii</b> <i>Conrad.</i>	Black Warrior riv., Ala.
33	v	1	<b>penitus</b> <i>Conrad.</i>	Alabama river.
34	v	2	<b>Masoni</b> <i>Conrad.</i>	Savannah river.
35	v	3	<b>delumbis</b> <i>Conrad.</i>	Cooper river, S. C.
36	v	4	<b>arctatus</b> <i>Conrad.</i>	Alabama & Black Warrior river.
37	vi	1	<b>pectorosus</b> <i>Conrad.</i>	Elk river.
38	vi	2	<b>rubellus</b> <i>Conrad.</i>	Black Warrior river.
39	vi	3	<b>furvus</b> <i>Conrad.</i>	Black Warrior river.
39	vi	4	<b>Raveneli</b> <i>Conrad.</i>	Cooper river & Wateree Canal, S. C.
41	vi	5	<b>loterinus</b> <i>Conrad.</i>	Savannah river.
42	vii	1	<b>tenebrosus</b> <i>Conrad.</i>	Rappahannock, Va., & South Carolina.
43	ii	1	<b>altilis</b> <i>Conrad.</i>	Alabama.
43	ii	2	<b>perovallis</b> <i>Conrad.</i>	Alabama river.
44	iii	1	<b>prasinus</b> <i>Conrad.</i>	Fox River.
45	iii	2	<b>infucatus</b> <i>Conrad.</i>	Flint River.
46	iii	6	<b>oviformis</b> <i>Conrad.</i>	Tennessee.
47	ii	3	<b>perovatus</b> <i>Conrad.</i>	Greene Co., Ala.
47	vii	2	<b>Anodonta teres</b> <i>Conrad.</i>	Santee Canal, S. C.
48	viii	3	<b>Paludina genicula</b> <i>Conrad.</i>	Flint river, Ga.
48	viii	4	<b>magnifica</b> <i>Conrad.</i>	Ala. river (Claiborne).
49	iv	6	<b>Melania excurata</b> <i>Conrad.</i>	Tenn. riv. at Florence.
50	viii	1	<b>Hydell</b> <i>Conrad.</i>	Black Warrior riv., Ala.
51	viii	2	<b>annulifera</b> <i>Conrad.</i>	Black Warrior riv., Ala.
51	iv	5	<b>salebrosa</b> <i>Conrad.</i>	Tenn. & Holston rivers.
52	viii	5	<b>pyrenella</b> <i>Conrad.</i>	North Alabama.
52	viii	6	<b>bitæniata</b> <i>Conrad.</i>	Black Warrior river.
53	viii	7	<b>comma</b> <i>Conrad.</i>	Black Warrior river.
54	viii	8	<b>lima</b> <i>Conrad.</i>	Elk river, Ala.
54	iv	7	<b>alveare</b> <i>Conrad.</i>	Elk river, Ala.
55	viii	9	<b>nassula</b> <i>Conrad.</i>	Tusoumbia, Ala.
55	viii	10	<b>cylindræca</b> <i>Conrad.</i>	Tombeckbee river.
56	viii	11	<b>trochiformis</b> <i>Conrad.</i>	North Alabama.
57	viii	12	<b>vestita</b> <i>Conrad.</i>	Greene Co., Ala.
57			<b>Ancylus filosus</b> <i>Conrad.</i>	Black Warrior river.

The following are mentioned by name only:—

Page.	Name.	Locality.
31	<b>Unio undatus</b> <i>Barnes.</i>	Alabama.
39	<b>congareus</b> <i>Lea.</i>	Savannah river.
40	<b>nasutus.</b>	Santee canal and Augusta.
40	<b>angustatus</b> <i>Lea.</i>	Santee canal and Augusta.
40	<b>ochraceus</b> <i>Suy?</i>	Santee canal & Rappahannock.



Page.	Name.	Locality.
40	<b>Unio congaræus</b> <i>Lea.</i>	Santee canal.
40	<b>delumbis</b> <i>Conr.</i>	Santee canal.
40	<b>purpureus</b> var. ?	Santee canal.
43	<b>cariosus</b> <i>Say.</i>	Rappahannock.

## ANCULOTUS.

Page.	Pl.	Fig.	Name.	Locality.
59	viii	13	<b>Anculotus prærorsus</b> <i>Say.</i>	Ohio and Tenn. rivers.
60	viii	14	<b>subglobosus</b> <i>Say.</i>	Holston and Tenn. rivs.
60	viii	15	<b>angulatus</b> <i>Conrad.</i>	Flint river, Morgan Co. Ala.
61	viii	18	<b>plicatus</b> <i>Conrad.</i>	Tenn. river in Ala.
61	viii	16	<b>monodontoides</b> <i>Conrad.</i>	Virginia.
62			<b>pictus</b> <i>Conrad.</i>	Alabama river.
62			<b>pumilus</b> <i>Conrad.</i>	Black Warrior riv. and Bayou Teche.
63			<b>tæniatus</b> <i>Conrad.</i>	Claiborne, Ala
64	viii	19	<b>melanoides</b> <i>Conrad.</i>	North Alabama
64	viii	17	<b>nigrescens</b> <i>Conrad.</i>	Maryland.

## SYNOPSIS OF NAIADES.

Page.		Page.	
67	<b>Unio abruptus</b> <i>Say.</i>	68	<b>Unio capax</b> <i>Green.</i>
	<i>U. cyclips</i> <i>Raf.</i>	68	<b>cælatius</b> <i>Conr.</i>
	<i>calendis</i> <i>Raf.</i>	68	<b>camptodon</b> <i>Say.</i>
67	<b>arctatus</b> <i>Conr.</i>	68	<b>cylindricus</b> <i>Say.</i>
67	<b>arcus</b> <i>Conr.</i>		<i>U. nariformis</i> <i>Lam.</i>
67	<b>apiculatus</b> <i>Say.</i>		<i>solenoides</i> <i>Raf.</i>
67	<b>asper</b> <i>Lea.</i>	68	<b>cor</b> <i>Conr.</i>
67	<b>acutissimus</b> <i>Lea.</i>	68	<b>congaræus</b> <i>Lea.</i>
67	<b>angustatus</b> <i>Lea.</i>	68	<b>cyphia</b> <i>Raf.</i>
67	<b>ater</b> <i>Lea.</i>		<i>U. Æsopus</i> <i>Green.</i>
	<i>U. lugubris</i> <i>Say.</i>		<i>cicatricosus</i> <i>Say.</i>
67	<b>alatus</b> <i>Say.</i>		<i>varicosus</i> <i>Lea.</i>
	<i>U. megaptera</i> <i>Raf.</i>	68	<b>oostatus</b> <i>Raf.</i>
	<i>Symphynota alata</i> <i>Lea.</i>		<i>U. undulatus</i> <i>Barnes.</i>
67	<b>Alabamensis</b> <i>Conr.</i>	68	<b>castaneus</b> <i>Lea.</i>
	<i>Symphynota inflata</i> <i>Lea.</i>	68	<b>cariosus</b> <i>Say.</i>
68	<b>altilis</b> <i>Conr.</i>		<i>U. crassus</i> <i>Say.</i>
68	<b>bullatus.</b>		<i>luteola</i> <i>Lam.</i>
	<i>U. pustulosus</i> <i>Lea.</i>		<i>cariosa</i> <i>Lam.</i>
	<i>nodulosa</i> <i>Wood.</i>		<i>ellipticus?</i> <i>Barnes.</i>
68	<b>cardium</b> <i>Raf.</i>	68	<b>compressus.</b>
	<i>U. ventricosus</i> <i>Barnes.</i>		<i>Symphy. compressa</i> <i>Lea.</i>
	<i>occidens</i> <i>Lea.</i>	68	<b>cordatus</b> <i>Raf.</i>
	<i>suboratus</i> <i>Lea.</i>		<i>U. obovata</i> <i>Raf.</i>

Page.		Page.	
68	<b>Unio declivis</b> Say.	70	<b>Unio lapillus</b> Say.
68	<b>decisus</b> Lea.		<i>U. fubalis</i> Lea.
68	<b>dilatatus</b> Raf.	70	<b>leptodon</b> Raf.
	<i>U. cuprea</i> Raf. (young).		<i>Symphy. tenuissima</i> Lea.
	<i>atroviolacea</i> Raf.		<i>An. purpurascens</i> Swains.
	<i>gibbosus</i> Barnes.	70	<b>lævigatus</b> Raf.
69	<b>delumbis</b> Conr.		<i>U. lens</i> Lea.
69	<b>ebenus</b> Lea.	70	<b>lanceolatus</b> Lea.
69	<b>fragilis</b> Raf.	70	<b>lævissimus</b> .
	<i>U. gracilis</i> Barnes.		<i>Anodonta Ohiensis</i> Raf.
	<i>Symphynota gracilis</i> Lea.		<i>Symphy. lævissima</i> Lea.
	<i>S. fragilis</i> Swainson.	70	<b>latus</b> .
69	<b>flavus</b> Raf.		<i>Anodonta lata</i> Raf.
	<i>U. rubiginosus</i> Lea.		<i>U. dehiscens</i> Say.
69	<b>fasciolaris</b> Raf.		<i>oriens</i> Lea.
	<i>U. sinuatus</i> Raf. (very old)	70	<b>monodonta</b> Say.
	<i>phaseolus</i> Hildreth.		<i>U. soleniformis</i> Lea.
	<i>mucronatus</i> Barnes	70	<b>multiradiatus</b> Lea.
	<i>planulatus</i> Lea.	70	<b>metanever</b> Raf.
	<i>bicolor?</i> Raf.		<i>U. nodosus</i> Barnes.
69	<b>flexuosus</b> Raf.	70	<b>metallicus</b> Say.
69	<b>foliatus</b> Hildreth.		<i>U. cuprinus</i> Lea.
69	<b>fasciatus</b> Raf.	70	<b>Masoni</b> Conr.
	<i>U. carinatus</i> Barnes.	70	<b>maculatus</b> Conr.
69	<b>furvus</b> Conr.	70	<b>nervosa</b> Raf.
69	<b>glans</b> Lea.		<i>U. zig-zag?</i> Lea.
69	<b>glebulus</b> Say.	70	<b>nasutus</b> Say.
69	<b>Greenii</b> Conr.		<i>U. rostratus</i> Val.
69	<b>heterodon</b> Lea.	70	<b>niger</b> Raf.
69	<b>heros</b> Say.		<i>U. cuneatus</i> Barnes.
	<i>U. multiplicatus</i> Lea.	70	<b>nodulatus</b> Raf.
69	<b>interruptus</b> Raf.		<i>U. pustulatus</i> Lea.
	<i>U. brevidens</i> Lea.		<i>verrucosus</i> Val.
69	<b>icterinus</b> Conr.	70	<b>nexus</b> Say.
69	<b>iris</b> Lea.		<i>U. arcuiformis</i> Lea.
69	<b>inflatus</b> Barnes.	70	<b>nebulosus</b> Conr.
	<i>U. siliquoides</i> Barnes.	70	<b>ovatus</b> Say.
	<i>vittatus?</i> Raf.		<i>U. ovata</i> Raf.
70	<b>infucatus</b> Conr.	70	<b>obesus</b> Lea.
70	<b>lencosus</b> Conr.	70	<b>olivarius</b> Raf.
70	<b>lineolatus</b> Raf.		<i>U. ellipsis</i> Lea.
	<i>U. depressa</i> Raf.	70	<b>ochraceus</b> Say.
	<i>ellipsaria</i> Raf.	70	<b>obliquatus</b> Raf.
	<i>securis</i> Lea.		<i>U. sulcatus</i> Lea.

- | Page. |                              | Page. |                                 |
|-------|------------------------------|-------|---------------------------------|
| 70    | <b>Unio oviformis</b> Conr.  | 71    | <b>Unio scalenius</b> Raf.      |
| 70    | <b>penitus</b> Conr.         |       | <i>U. cuneata</i> Raf.          |
| 70    | <b>parvus</b> Barnes.        |       | <i>patulus</i> Lea.             |
| 71    | <b>plicatus</b> Say.         | 72    | <b>subrostratus</b> Say.        |
|       | <i>U. peruvianus</i> Lam.    | 72    | <b>tæniatus</b> Conr.           |
| 71    | <b>Foulsoni</b> Conr.        | 72    | <b>torsus</b> Raf.              |
| 71    | <b>pileus</b> Lea.           | 72    | <b>trapezoides</b> Lea.         |
| 71    | <b>perovalis</b> Conr.       |       | <i>U. interruptus</i> Say.      |
| 71    | <b>purpureus</b> Say.        | 72    | <b>teres</b> Raf.               |
|       | <i>U. purpurascens</i> Lam.  |       | <i>U. anolontoides</i> Lea.     |
|       | <i>coarctata</i> Lam.        | 72    | <b>triqueter</b> Raf.           |
|       | <i>carinifera</i> Lam.       |       | <i>U. triangularis</i> Barnes.  |
|       | <i>complanatus</i> Lea.      |       | <i>formosus</i> Lea.            |
|       | <i>aurata</i> Raf.           |       | <i>cuneatus</i> Swainson.       |
| 71    | <b>pectorosus</b> Conr.      | 72    | <b>truncatus</b> Raf.           |
| 71    | <b>planus</b> Barnes.        |       | <i>U. dunaciformis</i> Lea.     |
| 71    | <b>personatus</b> Say.       |       | <i>elegans</i> Lea.             |
|       | <i>U. subrotundus</i> Say.   | 72    | <b>tuberculatus</b> Raf.        |
| 71    | <b>prasinus</b> Conr.        |       | <i>U. verrucosus</i> Barnes.    |
| 71    | <b>quadrulus</b> Raf.        |       | <i>tuberculatus</i> Val.        |
|       | <i>U. rugosus</i> Barnes.    | 72    | <b>triangularis</b> Raf.        |
|       | <i>lachrymosus</i> Lea.      |       | <i>U. lateralis</i> Raf.        |
|       | <i>asperrimus</i> Lea.       |       | <i>sintoxia</i> Raf.            |
| 71    | <b>rectus</b> Lam.           |       | <i>pachostea</i> Raf.           |
|       | <i>U. latissima</i> Raf.     |       | <i>mytiloides</i> Raf.          |
|       | <i>prælongus</i> Barnes.     |       | <i>rubra</i> Raf.               |
| 71    | <b>rubellus</b> Conr.        |       | <i>pyramidatus</i> Lea.         |
| 71    | <b>Ravenelli</b> Conr.       | 72    | <b>torulosus</b> Raf.           |
| 71    | <b>reflexus</b> Raf.         |       | <i>U. gibbosa</i> Raf.          |
|       | <i>U. cornutus</i> Barnes.   |       | <i>perplexus</i> Lea.           |
| 71    | <b>radiatus</b> Lam.         | 72    | <b>tenebrosus</b> Conr.         |
|       | <i>Mya radiata</i> Gmel.     | 72    | <b>trabalis</b> Conr.           |
|       | <i>U. Virginiana</i> Lam.    | 72    | <b>undatus</b> Barnes.          |
| 71    | <b>ridibundus</b> Say.       |       | <i>U. trigonus</i> Lea.         |
| 71    | <b>retusus</b> Raf.          | 72    | <b>verrucosus</b> Raf.          |
| 71    | <b>stapes</b> Lea.           |       | <i>U. tuberculatus</i> Barnes.  |
| 71    | <b>stramineus</b> Conr.      | 72    | <b>vibex</b> Conr.              |
| 71    | <b>subtentus</b> Say.        | 72    | <b>velum</b> Say.               |
| 71    | <b>stegarius</b> Raf.        | 72    | <b>viridis</b> Raf.             |
|       | <i>U. irroratus</i> Lea.     |       |                                 |
| 71    | <b>subrotundus</b> Raf.      | 72    | <b>Alasmodonta costata</b> Raf. |
|       | <i>U. pusilla</i> Raf.       |       | <i>Alus. rugosa</i> Barnes.     |
|       | <i>striata</i> Raf.          | 72    | <b>complanata</b> Barnes.       |
|       | <i>circulus</i> Lea.         |       | <i>Symphy. complanata</i> Lea.  |
|       | <i>orbiculatus</i> Hildreth. | 72    | <b>confragosa</b> Say.          |

<p>Page. 71 <b>Alasmodonta edentula</b> Say. 72 <b>marginata</b> Say. <i>Alas. scriptum</i> Raf. 72 <b>margaritifera</b>. <i>Unio margaritifera</i> Lam. <i>Alas. arcuata</i> Barnes. 73 <b>radiata</b> Conr. 73 <b>sculptilis</b> Say. 73 <b>truncata</b> Say. <i>Unio calceolus</i> Lea. 73 <b>undulata</b> Say.</p>	<p>Page. 73 <b>Anodonta cataracta</b> Say. <i>An. marginata</i> Say. 73 <b>declivis</b> Conr. 73 <b>grandis</b> Say. 73 <b>implicata</b> Say. 73 <b>imbecillis</b> Say. 73 <b>inflata</b> Say. 73 <b>lugubris</b> Say. 73 <b>subvexa</b> Conr. 73 <b>suborbiculata</b> Say. 73 <b>undulata</b> Say. <i>An. rugosa</i> Swainson.</p>
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73 **Unio declivis** Say, quoted from Florida, is said to be another species.

(Appendix to same.)

Page.	Pl.	Fig.	Name.	Locality
4	ix	1	<b>Unio viridis</b> Raf. [subviridis Conr.]	Penn., Kentucky river.
5	ix	2	<b>complanatus</b> var. <b>subinflatus</b> .	South Carolina.
5	ix	3	<b>Melania formosa</b> Conrad.	North Alabama.
6	ix	4	<b>Melania bella</b> Conrad.	North Alabama.
6	ix	5	<b>dilatata</b> Conrad.	Monroe Co., Va.
7	ix	6	<b>semicostata</b> Conrad.	North Alabama.
7	ix	7	<b>Rogersii</b> Conrad.	
8	ix	8	<b>Planorbis engonatus</b> Conrad.	Albany.

Additions to Synopsis.

<p>Page. 1 <b>Anodonta cataracta</b> Say. <i>Mytilus fluviatilis</i> Gmel. <i>Anod. fluviatilis</i> Bosc. <i>Mytilus illitus</i> Soland. 1 <b>edentula</b> Ferrussac. <i>Alas. edentula</i> Say. <i>Anod. Ferrussaciana</i> Lea. 1 <b>grandis</b> Say. <i>Anod. declivis</i> Conr. <i>plana</i> Lea. 1 <b>imbecillis</b> Say. <i>Symphynota incerta</i> Lea. <i>Anod. incerta</i> Fer. 1 <b>lata</b> Raf., Fer. <i>Unio dehiscens</i> Say. <i>oriens</i> Lea. <i>latus</i> Conr. <i>Odatelia radiata</i> Raf.</p>	<p>Page. 1 <b>Anodonta marginata</b> Say. <i>Anod. pennsylvanica</i> Lam. 1 <b>radiata</b> Conr. <i>Alas. radiata</i> Conr. 2 <b>Alasmodonta calceolus</b>. <i>Unio calceolus</i> Lea. <i>Alas. marginata</i> Say. 2 <b>marginata</b> Say. 2 <b>Unio acutissimus</b> Lea. <i>U. Conradicus</i> Lea. 2 <b>apiculatus</b> Say. <i>U. asper</i> Lea. 2 <b>Carolinianus</b> Bosc., Fer. <i>U. obesus</i> Lea. 2 <b>capax</b> Green. <i>Symphynota globosa</i> Lea.</p>
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Page.		Page.	
2	<b>Unio clava</b> Lam., Fer. <i>U. scalenius</i> Raf. <i>modioliformis</i> Say.	2	<b>Unio pachostea</b> Raf., Fer. <i>U. Cooperianus</i> Lea.
2	<b>complanatus</b> Sol., Lea, <i>U. purpureus</i> Say. [Fer.	3	<b>pectorosus</b> Conr. <i>U. perdix</i> Lea.
2	<b>cordatus</b> Raf. <i>U. undatus</i> Barnes. <i>trigonus</i> Lea.	3	<b>personatus</b> Say. <i>U. capillaris</i> Lea.
2	<b>decisus</b> Lea. var. <i>Taitianus</i> Lea.	3	<b>purpuratus</b> Lam. <i>U. rentricosus</i> Soland. <i>ater</i> Lea. <i>lugubris</i> Say.
2	<b>declivis</b> Say. <i>U. geometricus</i> Lea.	3	<b>trabalis</b> Conr. <i>U. Troostensis</i> Lea.
2	<b>delumbis</b> Conr. <i>U. modioliformis</i> Lea.	3	<b>ruber</b> Raf. <i>U. pyramidatus</i> Lea.
2	<b>donaciformis</b> Lea.	3	<b>Ravenell</b> Conr. <i>U. confertus</i> Lea. <i>fulvus?</i> Lea (young).
2	<b>ligamentina</b> Lam., Fer. <i>U. ellipsaria</i> Raf.	3	<b>retusus</b> Lam., Lea. <i>U. torsus</i> Raf.
2	<b>lienosus</b> Conr. <i>U. Nashvillianus</i> Lea.	3	<b>suborbiculatus</b> Lam., Lea. <i>U. rotundatus</i> Lam. <i>glebulus</i> Say. <i>subglobosus</i> Lea.
2	<b>metanever</b> Raf. <i>U. retusus</i> Raf. (very old).	3	<b>subrostratus</b> Say. <i>U. iris</i> Lea.
2	<b>nodulatus</b> Raf. <i>U. pustulatus</i> Lea. <i>prasinus</i> Conr. <i>Schoolcraftensis</i> Lea.	3	<b>tetralasmus</b> Say.
2	<b>obliquus</b> Lam. <i>U. obovalis</i> Raf. <i>ebenus</i> Lea.	3	<b>truncatus</b> Raf. <i>U. elegans</i> Lea.

**Conrad.**—Monography of the Family Unionidæ, or Naiades of Lamarck, of North America: by T. A. CONRAD, Memb. Phila. Acad. Nat. Sci., Hon. Memb. Geol. Soc. Pa. Philadelphia.

No. I.—December, 1835.

Page.	Pl.	Fig.	Name.	Locality.
3	i		<b>Unio fasciatus</b> Raf. <i>U. carinatus</i> Barnes.	Scioto river.
4	ii		<b>ovatus</b> Say, var. <b>ornatus</b> .	South Alabama.
5	iii	1	<b>clava</b> Lam. <i>U. scalenius</i> Raf. <i>modioliformis</i> Say.	Western rivers.
6	iii	2	<b>decisus</b> Lea. <i>U. Taitianus</i> Lea.	Alabama.

Page.	Pl.	Fig.	Name.	Locality.
7	iv	1	<b>Unio reflexus</b> Raf. <i>U. cornutus</i> Barnes.	Alabama, Indiana.
8	iv	2	<b>flexuosus</b> Raf. <i>U. foliatus</i> Hldr.	Western rivers.
9	v	1	<b>Phillipsii</b> Conr.	Wabash river.
10	v	2	<b>metanevrus</b> Raf. <i>U. nodosus</i> Barnes.	West. & South. rivs.
11	vi	1	<b>Mortoni</b> Conr.	Bayou Teche, La.
12	vi	2	<b>fragosus</b> Conr.	Scioto river.

## No. II.—January, 1836.

17	vii		<b>Unio costatus</b> Raf. <i>U. undulatus</i> Barnes.	Ala., & Tenn. rivers.
19	viii		<b>retusus</b> Lam. <i>U. torsa</i> Raf.	Western rivers.
20	ix	1	<b>parvus</b> Barnes.	West, N. W. Ter., La.
21	ix	2	<b>glans</b> Lea.	Ohio, Tenn., Ala.
22	x	1	<b>siliquoideus</b> Barnes. <i>U. inflatus</i> Barnes.	Western rivers.
24	x	2	<b>radiatus</b> Lam. <i>U. Virginiana</i> Lam. <i>oblongata</i> Wood. <i>Mya radiata</i> Spengl. Gmel.	Va., Wisc., N. Y.

## No. III.—February, 1836.

25	xi	1	<b>Unio pectorosus</b> Conr. <i>U. perdix</i> Lea.	Tennessee, Alabama.
23	xi	2	<b>fasciolus</b> Raf. <i>U. multiradiatus</i> Lea.	
27	xii	1	<b>ongaræus</b> Lea.	S. Carolina, Georgia.
28	xii	2	<b>Masoni</b> Conr.	Savannah, Georgia.
29	xiii	1	<b>coccoineus</b> Hildreth.	Mahoning riv. Pa.
30	xiii	2	<b>catillus</b> Conr.	Western rivers.
31	xiv	1	<b>productus</b> Conr.	Savannah river.
32	xiv	2	<b>lanceolatus</b> Lea.	N. Carolina, Virginia.

## No. IV.—March, 1836.

33	xv		<b>Unio rectus</b> Lam. <i>U. latissima</i> Raf. <i>prælongus</i> Barn.	Western rivs., Ala.
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Page.	Pl.	Fig.	Name.	Locality.
34	xvi		<b>Unio crassus</b> Say.	Ohio, Indiana, Ill.
			<i>U. crassidens</i> var. c. Lam.	
			<i>ligamentina</i> Lam.	
			<i>ellipticus</i> Barnes.	
			<i>suborbiculatus</i> Hild.	
			<i>abruptus</i> Say.	
			<i>cyclops</i> Raf.	
35	xvii	1	<b>viridis</b> Raf.	Schuylkill riv., Pa., Ky.
37	xvii	2	<b>ochraceus</b> Say.	Pennsylvania, Va.
			<i>Symphonata ochracea</i> Lea.	
			var. a. <i>Mytilus fluviatilis</i> Gmel.	
33	xviii	1 <sup>1</sup>	<b>nasutus</b> Say.	Fla. to Eastern Sts.
			<i>U. rostrata</i> Val.	
39	xviii	2	<b>loterinus</b> Conr.	Savannah river.
40	xix		<b>cariosus</b> Say.	Virginia, Middle Sts.
			<i>U. luteola</i> Lam.	
			<i>ovatus</i> Val.	
No. V.—June, 1836.				
41	xx		<b>Unio mytiloides</b> Raf.	West. waters, Ala.
			<i>U. rubra</i> Raf.	
			<i>pyramidatus</i> Lea.	
			<i>cardiacea</i> Guérin.	
42	xxi		<b>dilatatus</b> Raf.	Ohio, Miss., Mo., and Tenn. rivers, Va., N. C.
			<i>U. nasutus</i> Lam.	
			<i>gibbosus</i> Barnes.	
43	xxii		<b>tuberculatus</b> Raf.	Wisc., L. Erie, Tenn. river.
			<i>U. verrucosus</i> Barnes.	
			<i>tuberculosa</i> Val.	
45	xxiii	1	<b>declivis</b> Say = <b>U. Sayanus</b>	
			Ward of errata. (Wrapper of No. xi. p. 4.)	Ala., La., Ohio.
			<i>U. geometricus</i> Lea.	
46	xxiii	2	<b>Blandingianus</b> Lea.	East Florida.
47	xxiv		<b>personatus</b> Say.	Wabash and Cumber- land rivers.
			<i>U. capillaris</i> Lea.	
48	xxv		<b>cordatus</b> Raf.	Ohio & Tenn. rivers.
			<b>Anodonta virgata</b> Conr. (p. 4 of wrapper.)	Clarke Co., Ohio.
No. VI.—July, 1836				
49	xxvi		<b>Unio niger</b> Raf.	Alabama, Michigan.
			<i>U. crassidens</i> var. b. Lam.	
			<i>cuneatus</i> Barnes.	

<sup>1</sup> Plate xviii, Fig. 1, represents *U. fishertanus* Lea, v. wrapper of No. XI, p. 4.

Page.	Pl.	Fig.	Name.	Locality.
50	xxvii	1	<b>Unio gibbosus</b> Raf. <i>U. torulosus</i> Raf. <i>perplexus</i> Lea.	Wabash, Scioto, and Tenn. rivers.
51	xxvii	2	<b>gibbosus</b> var. <b>perobliquus</b> .	Wab'sh, Ind., Detroit.
52	xxviii		<b>teres</b> Raf. <i>U. anodontoides</i> Lea.	West. rivs., La., Ala.
53	xxix	1	<b>Sageri</b> Conr.	Detroit river.
54	xxix	2	<b>lapillus</b> Say. <i>U. fabalis</i> Lea.	Michigan, Ohio river.
55	xxx		<b>fragilis</b> Raf. <i>U. gracilis</i> Barnes. <i>Symphynota gracilis</i> Lea.	Fox and Detroit, Ala.
56	xxxi		<b>alatus</b> Say. <i>Metaptera megaptera</i> Raf. <i>Symp. alata</i> Lea.	Wisc., Mich., Ala., N. W. Terr., Fox riv.

## No. VII.—December, 1836.

57	xxxii		<b>Unio inflatus</b> Lea. <i>Symphynota inflata</i> Lea. <i>U. Alabamensis</i> Conr.	Alabama.
58	xxxiii		<b>leptodon</b> Raf. <i>U. planus</i> Barnes. <i>Anodonta purpurescens</i> Sw. <i>Symphynota tenuissima</i> Lea.	Wisc., Ala., Scioto rivers.
60	xxxiv	1	<b>ellipaliformis</b> Conr.	Michigan.
60	xxxiv	2	<b>lienosus</b> Conr. <i>U. Nashvillianus</i> Lea.	Greene Co., Alabama.
62	xxxv	1	<b>stapes</b> Lea.	Alabama.
63	xxxv	2	<b>intermedius</b> Conr.	Nolachucky riv., Ten.
64	xxxvi	1	<b>occidentalis</b> Conr.	Currant river, Ark.

## No. VIII.—February, 1837.

65	xxxvi	2	<b>Unio collinus</b> Conr.	North river, Va.
66	xxxvii	1	<b>Sowerbianus</b> Lea. ( <i>U. pilcus</i> Conr., note on p. 69, N. F. W. S.)	Cumberland river, Tenn., Elk riv., Ala.
67	xxxvii	2	<b>politus</b> Say. <i>U. subrotundus</i> Lea.	
68	xxxviii	1	<b>nexus</b> Say. <i>U. arcaformis</i> Lea.	Cumberland river, Tenn.
69	xxxviii	2	<b>Greenii</b> Conr.	Bl. Warrior riv., Ala.
70	xxxix		<b>Shepardianus</b> Lea.	Altamaha river, Ga.
71	xl	1	<b>compressus</b> Desh. <i>Symphynota depressa</i> Lea.	Ohio, New York.



Page	Pl.	Fig.	Name.	Locality.
72	xl	2	<b>Unio capsæformis</b> <i>Lea.</i> (On p. 4 of wrapper.)	Tennessee, Alabama.
			<b>Anodonta carinifera</b> <i>Conr.</i>	Below Louisville.
			<b>Unio gibbosus</b> var. <b>perobliquus</b> = <b>U. perobliquus</b> <i>Conr.</i>	

## No. IX.—March, 1837.

73	xli	1	<b>Unio subplanus</b> <i>Conr.</i>	Lexington, Va.
74	xli	2	<b>flavus</b> <i>Raf.</i> <i>U. rubiginosus</i> <i>Lea.</i>	Alabama, Kentucky.
75	xlii		<b>capax</b> <i>Green.</i> <i>Symph. globosa</i> <i>Lea.</i>	Falls of St. Anthony, Bayou Teche, Ohio river.
76	xliii	1	<b>rudis</b> <i>Conr.</i> <i>U. Ravenelianus</i> <i>Lea.</i>	North Carolina, Ala.
77	xliii	2	<b>obliquus</b> <i>Lam.</i> <i>U. ebenus</i> <i>Lea.</i>	Ohio, Alabama.
78	xliv	1	<b>apiculatus</b> <i>Say.</i> <i>U. asper</i> <i>Lea.</i>	Alabama riv., Bayou Teche.
79	xliv	2	<b>prasinus</b> <i>Conr.</i> <i>U. Schoolcraftensis</i> <i>Lea.</i>	Scioto river, Indiana.
80	xlv	1	<b>nodulatus</b> <i>Raf.</i> <i>U. pustulatus</i> <i>Lea.</i>	Ohio river, &c.
			<b>Anodonta carinifera</b> <i>Conr.</i> (p. 4 of wrapper.)	Below Louisville.

## No. X.—May, 1838.

82	xlv	2	<b>Unio bullatus</b> <i>Raf.</i> <i>U. verrucosus albus</i> <i>Hldr.</i> <i>pustulosus</i> <i>Lea.</i>	Alabama.
83	xlvi	1	<b>stegarius</b> <i>Raf.</i> <i>U. irroratus</i> <i>Lea.</i>	Ohio, Indiana, Tenn.
84	xlvi	2	<b>dromas</b> <i>Lea.</i>	Tennessee, Alabama.
85	xlvii	1	<b>subtentus</b> <i>Say.</i>	Tenn., Alabama, Va.
86	xlvii	2	<b>acutissimus</b> <i>Lea.</i>	Alabama.
87	xlvii	3	<b>Conradius</b> <i>Lea.</i>	Alabama, Tennessee.
88	xlviii		<b>interruptus</b> <i>Raf.</i> <i>U. brevidens</i> <i>Lea.</i>	Alabama, Tennessee.
89	xlix	1, 2	<b>plexus</b> <i>Conr.</i>	Vera Cruz?
90	xlix	3	<b>heterodon</b> <i>Lea.</i>	Schuylkill river, &c.
91	xlix	4	<b>lienosus</b> <i>Conr.</i> var. <b>constrictus</b> = <b>U. constrictus</b> <i>Conr.</i> of err., p. 4 of wrapper, No. 11.	North river, Va.
91	l	1	<b>stramineus</b> <i>Conr.</i>	Greene Co., Ala.

Page.	Pl.	Fig.	Name.	Locality.
92	1	2	<b>Unio patulus</b> Lea.	Tenn., Kentucky.
93	ii	1	<b>Hembell</b> Conr.	New Orleans.

(End of Vol. I.)

## No. XI.—November, 1838.

95	lii		<b>Unio cerinus</b> Conr.	Louisiana.
96	liii		<b>latiradiatus</b> Conr.	Tennessee.
			<i>U. interruptus</i> Lea.	
97	liv	1	<b>subinflatus</b> Conr.	Savannah river.
			<i>U. complanatus</i> var. <i>subinflatus</i> Conr.	
98	liv	2	<b>angustatus</b> Lea.	South Carolina.
99	liv	1	<b>excultus</b> Conr.	New Orleans.
100	liv	2	<b>pullus</b> Conr.	N. Carolina, S. Car.
101	lv	1	<b>melinus</b> Conr.	Salina Lake, N. Y.
102	lv	2	<b>Sayanus</b> Conr.	Greene Co., Ala.
			<i>U. Sayii</i> Ward.	
			<i>declivis</i> Conr.	

On page 4 of wrapper, descriptions of *Unio cuneus*, *metastriatulus*, *lenis*, North Illinois, *planilateris*, *iridescens*, *saxeus*. Plate xviii, Fig. 1, is said to be *U. Fisherianus* Lea, and note on *Pleiodon* McMurtrii.

## No. XII.—(No date.)

103	lvii	1	<b>Unio planilateris</b> Conr.	Virginia, N. Carolina.
104	lvii	2	<b>metastriatulus</b> Conr.	Bl. Warrior riv., Ala.
105	lviii	1	<b>cuneus</b> Conr.	Little Red river, Ark.
106	lviii	2	<b>lenis</b> Conr.	White river, Ill.
107	lix		<b>heros</b> Say.	
			<i>U. undulatus</i> Say, not Barnes.	
			<i>multiplicatus</i> Lea.	
109	lx	1	<b>saxeus</b> Conr.	Claiborne, Ala.
109	lx	3	<b>collinus</b> Conr.	Columbia, S. C.
110	lx	2	<b>trabalis</b> Conr.	

## No. XIII.—(No date.)

111	lxi		<b>Unio tetralasmus</b> Say.	Bayou St. John.
112	lxii		<b>quadrulus</b> Raf.	Ohio river, La., &c.
			<i>U. rugosus</i> Barnes.	
			<i>lachrymosus</i> Lea.	
			<i>asperrimus</i> Lea.	
113	lxiii		<b>cyphus</b> Raf.	Ohio, &c.
			<i>U. Æsopus</i> Green.	

Page.	Pl.	Fig.	Name.	Locality.
115	lxiv		<b>Unio cicatricosus</b> Say. <i>U. varicosus</i> Lea.	Ohio &c.
115			<b>cardisce</b> Say = <i>cordata</i> .	
115			<b>incurvus</b> Say = <i>intorta</i> .	
116	lxv		<b>pilicatus</b> Say. <i>U. variplicatus</i> Lam.	Ohio, Wisc.
117	lxvi		<b>cardium</b> Raf. <i>U. ventricosus</i> Barnes. <i>ovatus</i> var. b. Lam. <i>occidens</i> Lea.	

(The work was here discontinued.—W. G. B.)

**Conrad.**—American Marine Conchology; or descriptions and colored figures of the Shells of the Atlantic Coast of North America: by TIMOTHY A. CONRAD, Member of the Academy of Natural Sciences of Philadelphia. Printed for the author: Philadelphia, 1831. 8vo. 17 colored plates.

Page.	Pl.	Fig.	Name.	Locality.
6	i	1	<b>Pecten Magellanicus</b> Lam. <i>Ostræa magellanica</i> Gmelin.	Maine, Mass.
8	i	2, 3	<b>concentricus</b> Say. <i>P. opercularis</i> D'Avila?	New Jersey, Long Isl. Sound.
10	ii	1	<b>purpuratus</b> Lam. <i>P. dislocatus</i> Say.	Florida, Panama, Chili.
12	ii	2	<b>Pealeii</b> Conr.	Maine.
12	ii	3	<b>ornatus</b> Lam. <i>Ostrea pellucens</i> Gmel.	E. Florida, W. Indies.
14	ii	4	<b>nodosus</b> Gmelin.	E. Florida, Africa, S. Amer., W. Indies.
16	iii	1	<b>Lima glacialis</b> Gmelin. <i>Ostrea scabra</i> Dillwyn. <i>glacialis</i> Gmel.	East Florida, Gulf of Mexico, W. Indies.
17	iii	2	<b>squamosa</b> Lamark. <i>Ostrea lima</i> Linnæus.	East Florida, Gulf of Mexico, Ceylon, Europe, &c.
19	iv	1	<b>Solecortus fragilis</b> Pulteney. <i>Solen antiquatus</i> Montagu. <i>fragilis</i> Pult. <i>centralis</i> Say. <i>Psammbia tæniata</i> Turton.	Rhode Isl., Southern coast, England.
21	iv	2	<b>costatus</b> Say. <i>Solen costatus</i> Say.	Maine, R. I., N. J.

Page.	Pl.	Fig.	Name.	Locality.
22	iv	3	<b>Solecortus Caribæus</b> <i>Blainville.</i> <i>Solen caribæus</i> Lam. <i>Chama angustior</i> Lister.	N. J., Florida.
27	v	1	<b>Solen ensis</b> <i>Linnaeus.</i> <i>S. curvus</i> Lister.	Whole coast.
28	v	2	<b>viridis</b> <i>Say.</i>	N. J., R. I., S'm coast.
30	vi	1	<b>Nucula limatula</b> <i>Say.</i> <i>N. lævis</i> Say?	R. Island, Virginia.
31	vi	2	<b>proxima</b> <i>Say.</i> <i>N. obliqua</i> Say?	R. I., Southern coast.
32	vi	3	<b>acuta</b> <i>Say.</i>	Fossil in Virginia.
34	vii	1	<b>Sanguinolaria fusca</b> <i>Say.</i> <i>Psammobia fusca</i> <i>Say.</i>	Ga., R. I., N. J., N. Y. Va.
35	vii	2	<b>lusoria</b> <i>Say.</i> <i>Psammobia lusoria</i> <i>Say.</i>	N. J., Southern coast.
37	vii	3	<b>Petricola pholadiformis</b> <i>Lamarck.</i> <i>P. fornicata</i> <i>Say.</i>	Whole coast to Maine.
39	viii	1	<b>Cardita borealis</b> <i>Conrad.</i> <i>Venericardia borealis</i> ?	Massachusetts.
39	viii	2	<b>incrassata</b> <i>Sowerby.</i>	Florida, E. Indies.
42	ix	1	<b>Mya arenaria</b> <i>Linnaeus.</i> <i>M. acuta</i> <i>Say.</i> <i>mercenaria</i> <i>Say.</i>	Whole coast, England, &c.
44	ix	2	<b>Thracia declivis</b> <i>Pennant.</i> <i>Mya declivis</i> <i>Pennant.</i> <i>Ligula pubescens</i> <i>Montagu.</i> <i>Mya convexa</i> <i>Wood.</i> <i>Anatina myalis</i> <i>Lamarck.</i> <i>Thracia corpuloides</i> <i>Blainv. ?</i>	Eastern States, Great Britain.
46	x	1	<b>Lutraria canaliculata</b> <i>Say.</i> <i>L. Campechensis</i> <i>Wood.</i>	Virginia to Florida, Gulf of Mexico.
47	x	2	<b>lineata</b> <i>Say.</i> <i>L. recurva</i> <i>Wood.</i>	N. Carolina to Florida.
49	xi	1	<b>Pandora trilineata</b> <i>Say</i>	N. J., Southern coast.
51	xi	2	<b>Lyonsia hyalina</b> <i>Conrad.</i> <i>Mya hyalina</i> <i>Conrad.</i> <i>L. Norwegica</i> <i>Auct. ?</i>	Long Island Sound, Rhode Island.
53	xi	3	<b>Lepton fabagella</b> <i>Conrad.</i>	Rhode Island.
55	xii		<b>Artemis concentrica</b> <i>Gmelin.</i> <i>Cytherea concentrica</i> <i>Lamarck.</i> <i>Venus concentrica</i> <i>Gmelin.</i>	Virginia to Florida & Gulf of Mexico.
56			<b>Rangia</b> ( <i>Clathradon</i> <i>Gray</i> MSS.)	
57	xiii		<b>cyrenoides</b> <i>Conrad.</i>	Alabama.
59	xiv	1	<b>Maetra deaurata</b> <i>Turton.</i> <i>M. arcata</i> <i>Conrad.</i>	New England.

Page.	Pl.	Fig.	Name.	Locality.
60	xiv	2	<b>Mactra tellinoides</b> Conrad.	Whole coast.
61	xiv	3	<b>fragilis</b> Chemnitz. <i>M. oblonga</i> Say.	S. Carolina, Georgia.
62	xiv	4, 5	<b>lateralis</b> Say.	Gulf of Mex. at Mobile.
63	xiv	6	<b>nucleus</b> Conrad.	New Jersey.
64	xiv	7	<b>solidissima</b> Chemnitz.	New Jersey.
	xv		<i>M. solida</i> var. b, Gmelin. <i>procera</i> Solander. <i>grandis</i> Solander. <i>gigantea</i> Lamark. <i>similis</i> Say.	
The smaller form, south of Virginia, if distinct, may be called <i>M. Raveneli</i> .				
66	xvi		<b>Solemya velum</b> Say. <i>S. borealis</i> Totten.	R. I., Mass., S. C.
68	xvii	1	<b>Iphigenia lævigata</b> Schumacher. <i>Donax lævigata</i> Gmelin. <i>Capsa lævigata</i> Lamark.	Florida.
70	xvii	2	<b>Capsa deflorata</b> Linnæus. <i>Venus deflorata</i> Linn. <i>Capsa rugosa</i> Bruguiere. <i>Sanguinolaria rugosa</i> Lamark. <i>Capsula rugosa</i> Schumacher. <i>Psammobia deflorata</i> Turton. <i>Chama diffusior</i> Lister.	Florida.
72	xvii	3	<b>Astarte castanea</b> Say. <i>Venus castanea</i> Say, olim.	N. Jersey, R. Island.

**Totten.**—Description of some Shells belonging to the Coast of New England: by JOS. G. TOTTEN. No. 2. (From American Journal of Science, O. S., vol. xxviii, No. 2. Date of title-page, July, 1835.)

Page.	Fig.	Name.	Locality.
347	1	<b>Anatina papyratia</b> Say? <i>A. fragilis</i> Totten.	Newport, R. I.
348	2	<b>Astarte castanea</b> Say? <i>A. procera</i> Totten.	Provincetown, Mass.
349	3	<b>Danmoniensis</b> Sowb. <i>Venus Danmoniensis</i> Mont. <i>crassatella</i> Bl. <i>Crassina Danmoniensis</i> Lam.	Newport, R. I.
350	4	<b>Bulla insculpta</b> Totten.	Newport, R. I.
350	5	<b>oryza</b> Totten.	Newport, R. I.
351	6	<b>Natica immaculata</b> Totten.	Newport, R. I.
352	7	<b>Turritella interrupta</b> Totten.	Newport, R. I.
352	8	<b>Cerithium reticulatum</b> Totten. <i>Pasithea nigra</i> Totten.	Narraganset Roads, R. I., Boston.

**Greene, &c.**—A Catalogue of the Testacea or Shells of Massachusetts was published in HITCHCOCK'S "Report on the Geology, Botany, and Zoology," made to the government of that State. In the second edition (1835) are catalogues by THOMAS A. GREENE, JOHN MILTON EARLE, and the Boston Society of Natural History. No descriptions are given.

This is the second edition. In the first edition (1833), p. 554 of bound Reports, is a list of the shells of New England, by Col. JOS. G. TOTTEN (vid. p. 45), for which the Society catalogue is substituted in the second edition.

**Greene.**—List of the Marine Shells of Massachusetts, arranged according to the System of Lamarck. By THOMAS A. GREENE, Esq., of New Bedford.

## CLASS XI. CONCHIFERA.

Order I. *Bimusculosa*.

Page.	Name.	Locality.
19	<i>Teredo navalis</i> .	On the bottoms of ships.
19	<i>Pholas crispata</i> .	
19	<i>Solen ensis</i> .	
19	<i>viridis</i> .	Not common in the N. E. States.
19	<i>Solecurtus Caribæus</i> (rare).	Found at New Bedford.
19	<i>costatus</i> Say.	Common at Nahant Beach.
19	<i>fragilis</i> .	Found at New Bedford.
	<i>S. centralis</i> Say.	
19	<i>Mya mercenaria</i> Say.	
19	<i>Anatina convexa</i> Turton.	
	<i>Thracia</i> Blainville.	
19	<i>Leana</i> Conrad.	At Nantucket.
	<i>A. prætennis?</i> Turton.	
19	<i>Maetra solida</i> .	
19	<i>gigantea</i> Lam.	
	<i>M. solidissima</i> Dillwyn.	
19	<i>subtruncata</i> .	
19	<i>lateralis</i> Say.	
19	<i>subtriangulata</i> .	
	<i>M. arctata</i> Conrad.	
	Figured in the supplement to Wood's "Index Testaceologicus."	
20	<i>tellinoides</i> Conrad.	
20	<i>Solemya velum</i> Say.	Not uncommon at New Bedford.
20	<i>Amphidesma corbuloides</i> .	
	<i>Mya Norwegica</i> Wood & Dill.	
	<i>hyalina</i> Conrad.	

Page.	Name.	Locality.
20	<b>Corbula ferruginosa.</b> <i>Mya ferruginosa</i> Wood.	
20	<b>Pandora trilineata</b> Say.	Found in Nantucket harbor.
20	<b>Petricola pholadiformis</b> Lam. <i>P. fornicata</i> Say.	Very common.
20	<b>Sanguinolaria fusca</b> Conrad.	At Nantucket.
20	<b>Tellina polita</b> Say.	Found at New Bedford.
20	<b>Lucina divaricata.</b> <i>Astarte castanea</i> Say.	A single valve found at Chatham. Ocean shore at Nantucket.
20	<b>Astarte.</b> A distinct species, with margins entire.	
20	<b>Cyprina Islandica.</b> <i>Venus Islandica</i> L.	Common in Essex County.
20	<b>Venus mercenaria.</b> <i>præparca</i> Say. <i>notata</i> Say.	
20	<b>Cardium Mortoni</b> Conrad.	Very common at New Bedford.
20	<b>pinnulatum</b> Conrad.	
20	<b>Cardita.</b> This species appears to be undescribed.	
20	<b>Arca ponderosa</b> Say.	} Found at Smith's point, on the } ocean shore of Nantucket.
20	<b>pexata</b> Say.	
20	<b>transversa</b> Say.	
20	<b>Nucula margaritacea.</b> <i>N. proxima</i> Say. <i>Arca nucleus</i> L.	
20	<b>rostrata</b> Montague. <i>N. limatula</i> Say.	Not uncommon in Buzzard's Bay.

Order II. **Unimusclosa.**

20	<b>Modiola papuana.</b> <i>Mytilus modiolus</i> L.	
20	<b>Mytilus edulis.</b> <i>ungulatus.</i> <i>pellucidus.</i> <i>incurvatus.</i> <i>demissus.</i>	
20		Very abundant at New Bedford.
21	<b>Pecten Magellanicus.</b>	Rare in Mass., common at Eastport, Me.
21	<b>Islandicus</b> (rare). <i>P. Pealeii</i> Conrad.	
21	<b>concentricus</b> Say.	
21	<b>Ostrea Virginica.</b>	
21	<b>Anomia ephippium.</b>	Abundant in New Bedford.
21	<b>undulata.</b> Is it a distinct species from the preceding?	

## CLASS XII. MOLLUSCA.

## Order II. Gasteropoda.

Page.	Name.	Locality.
21	<b>Chiton.</b> Not described to my knowledge.	Found at Nantucket.
21	<b>Patella alveus</b> Conrad.	
21	<i>amena</i> Say.	
21	<b>Crepidula fornicata</b> Say.	Very common on our coast.
21	<i>glauca</i> Say.	
21	<i>plana</i> Say.	Found in Nantucket harbor.

## Order III. Trachelipoda.

21	<b>Velutina rupicola</b> Conrad.	
21	<b>Bulla solitaria</b> Say.	Found at Holme's Hole.
	Is it a variety of <i>B. hydatis</i> ?	
21	<b>Natica duplicata</b> Say.	
21	<i>heros</i> Say.	
21	<i>triseriata</i> Say.	
	<i>Nerita intricata</i> of Wood's Supplement.	
21	<b>Melampus videntatus</b> Say.	Common in salt marshes, N. Bed.
21	<b>Lacuna pertusa</b> Conrad.	
21	<b>Turbo obligatus</b> Say.	
21	<i>irroratus</i> Say.	
21	<i>palliatu</i> Say.	
21	<b>Turritella bisuturalis</b> Say.	
21	<i>alternata</i> Say.	
21	<b>Fusus Islandicus.</b>	
	<i>Murex corneus</i> Wood & Dill.	
	<i>F. corneus</i> Say.	
21	<i>cinereus</i> Say.	
22	<i>decemcostatus</i> Say.	
	<i>Murex carinatus</i> Pennant.	
22	<b>Ranella caudata.</b>	At Nantucket.
22	<b>Pyrula canaliculata.</b>	
	<i>Murex canaliculata.</i>	
22	<i>carica.</i>	
22	<b>Nassa obsoleta</b> Say.	
	<i>Buccinum noveboracense</i> Wood's Supplement.	
22	<i>trivittata</i> Say.	
22	<i>lunata</i> Say.	
22	<b>Purpura lapillus.</b>	
	<i>Buccinum lapillus</i> L.	
22	<i>imbricata</i> Lam.	
22	<b>Buccinum undatum</b> L.	
22	<b>Columbella terpsichore.</b>	
	<i>Buccinum terpsichore,</i> Wood's Supplement.	



Order IV. **Cephalopoda.**

Page.	Name.	Locality.
22	<b>Spirula Peronii.</b> <i>Nautilus spirula</i> L.	Found on the ocean shore of Nantucket.

**Earle.**—List of Land and Fresh-water Shells in Massachusetts so far as they have been ascertained: by Mr. JOHN MILTON EARLE, of Worcester. (Vide p. 39.) .

## I. BIVALVES.

Page.	Name.	Locality.
22	<b>Unio complanatus</b> Lam. <i>U. purpureus</i> Say.	
22	<b>nasutus</b> Say.	Ponds in Essex & Plymouth Cos.
22	<b>ochraceus</b> Say.	Ponds in Plymouth County.
22	<b>radiatus</b> Say.	Ponds in Plymouth & Essex Cos.
22	<b>Alasmodonta margaritifera</b> L. <i>A. arcuata</i> Barnes.	
22	<b>marginata</b> Say.	Blackstone river.
22	<b>undulata</b> Say.	Do. and streams in Plym. Co.
22	<b>Anodonta cataracta</b> Say.	
22	<b>marginata</b> Say.	Blackstone and French rivers.
22	<b>lugubris</b> Say.	Ponds in Essex County.
22	<b>Cyclas similis</b> Say.	
23	<b>dubia</b> Say.	
	And two species not described.	

## II. UNIVALVES.

Page.	Name.	Page.	Name.
23	<b>Paludina decisa</b> Say.	23	<b>Planorbis parvus</b> Say.
23	<b>limosa?</b> Say.	23	<b>Lymnæa catascopium</b> Say.
23	<b>Planorbis trivolvis</b> Say.	23	<b>heterostropha</b> Say.
23	<b>bicarinatus</b> Say.	23	<b>columella</b> Say.
23	<b>armigerus</b> Say.		And one species not ascertained.
23	<b>campanulatus.</b>	23	<b>Valvata arenifera?</b> Lea.

## LAND SHELLS.

23	<b>Helix albolabris.</b>	23	<b>Helix minuta</b> Say.
23	<b>arboreus</b> Say.	23	<b>hirsuta</b> Say.
23	<b>tridentata</b> Say.	23	<b>labyrinthica</b> Say.
23	<b>alternata</b> Say.	23	<b>perspectiva</b> Say.
23	<b>glyphyra</b> Say.	23	<b>fraterna</b> Say.
23	<b>thyroidus</b> Say.		And two other species.

## AMPHIBIOUS.

Page.		Page.	
23	<i>Succinea ovalis</i> Say.	23	<i>Pupa corticaria?</i> Say.
23	<i>campestris?</i> Say.	23	<i>Caracolla.</i>
	And one species not ascertained.		One species not ascertained.

Catalogue of Boston Society of Natural History. (Vide p. 39.)

## CLASS XI. CONCHIFERA LAM.

Order I. *Bimusculosa.*

Page.		Page.	
25	<i>Solen ensis</i> Lin.	25	<i>Astarte castanea</i> Say.
25	<i>viridis</i> Say.	25	<i>Cyclas similis</i> Say.
25	<i>Solecurtus Caribæus</i> Blain.	25	<i>dubia</i> Say.
25	<i>maximus.</i>	25	<i>Cyprina Islandica</i> Lam.
25	<i>costatus</i> Say.	25	<i>Cytherea convexa</i> Say.
25	<i>fragilis</i> Pulteney.	25	<i>Venus mercenaria</i> Lin.
25	<i>Glycimeris siliqua</i> Lam.	25	<i>præparca</i> Say.
25	<i>Mya mercenaria</i> Lin.	25	<i>notata</i> Say.
25	<i>Anatina Leana</i> Conrad.	25	<i>gemma</i> Totten.
25	<i>convexa.</i>	26	<i>Cardium Mortoni</i> Conrad.
25	<i>Mactra gigantea</i> Lam.	26	<i>pinulatum</i> Conrad.
25	<i>lateralis</i> Say.	26	<i>Cardita borealis</i> Conrad.
25	<i>arctata</i> Conrad.	26	<i>Arca ponderosa</i> Say.
25	<i>tellinoides</i> Conrad.	26	<i>peyata</i> Say.
25	<i>Solemya velum</i> Say.	26	<i>transversa</i> Say.
25	<i>borealis</i> Totten.	26	<i>Nucula margaritacea</i> Lam.
25	<i>Amphidesma corbuloides</i>	26	<i>rostrata</i> Montague.
	Lam.	26	<i>Unio complanatus</i> Soland.
25	<i>Corbula ferruginosa</i> Wood.	26	<i>nasutus</i> Say.
25	<i>contracta</i> Say.	26	<i>ochraceus</i> Say.
25	<i>Pandora trilineata</i> Say.	26	<i>radiatus</i> Lea.
25	<i>Saxicava distorta</i> Say.	26	<i>Alasmodonta arcuata</i> Barn.
25	<i>Petricola pholadiformis</i>	26	<i>marginata</i> Say.
	Lam.	26	<i>undulata</i> Say.
25	<i>dactylus</i> Say.	26	<i>Anodonta cataracta</i> Say.
25	<i>Sanguinolaria fusca</i> Conrad.	26	<i>marginata</i> Say.
25	<i>Tellina polita</i> Say.	26	<i>lugubris</i> Say.
25	<i>Lucina divaricata</i> Lam.		

Order II. *Unimusculosa.*

23	<i>Modiola papuana</i> Lam.	26	<i>Mytilus unguatus</i> Humboldt.
23	<i>plicatula</i> Lam.	26	<i>incurvatus</i> Maton.
26	<i>glandula</i> Totten.	26	<i>pellucidus.</i>
26	<i>Mytilus edulis</i> Lin.	26	<i>Pecten Magellanicus</i> Lam.

Page.		Page.	
26	<b>Pecten Islandicus</b> <i>Lam.</i>	26	<b>Ostrea edulis</b> <i>Lin.</i> (var.)
26	<i>concentricus</i> <i>Say.</i>	26	<b>Anomia ephippium</b> <i>Lin.</i>
26	<b>Ostrea Canadensis</b> <i>Lam.</i>	26	<b>Terebratula.</b>
26	<i>Virginica</i> <i>Lam.</i>		An undescribed recent species.

## CLASS XII. MOLLUSCA.

## Order II. Gasteropoda.

26	<b>Chiton.</b>	27	<b>Ancylus rivularis</b> <i>Say.</i>
	One species.	27	<b>Velutina rupicola</b> <i>Conrad.</i>
26	<b>Patella alveus</b> <i>Conrad.</i>	27	<b>Bulla solitaria</b> <i>Say.</i>
26	<i>amœna</i> <i>Say.</i>	27	<b>Limax.</b>
26	<b>Crepidula fornicata</b> <i>Say.</i>		One or more species.
26	<i>glauca</i> <i>Say.</i>	27	<b>Testacella.</b>
27	<i>plana</i> <i>Say.</i>		One or more species.
27	<i>convexa</i> <i>Say.</i>		

## Order III. Trachelipoda.

27	<b>Helix albolabris</b> <i>Say.</i>	27	<b>Valvata arenifera</b> <i>Lea.</i>
27	<i>thyroidus</i> <i>Say.</i>	27	<b>Paludina decisa</b> <i>Say.</i>
27	<i>alternata</i> <i>Say.</i>	27	<i>limosa</i> <i>Say.</i>
27	<i>perspectiva</i> <i>Say.</i>	27	<i>lapidaria</i> <i>Say.</i>
27	<i>glaphyra</i> <i>Say.</i>		One other species.
27	<i>arborea</i> <i>Say.</i>	27	<b>Natica duplicata</b> <i>Say</i>
27	<i>tridentata</i> <i>Say.</i>	27	<i>heros</i> <i>Say.</i>
27	<i>hirsuta</i> <i>Say.</i>	27	<i>triseriata</i> <i>Say.</i>
27	<i>fraterna</i> <i>Say.</i>	28	<b>Melampus bidentalis</b> <i>Say.</i>
27	<i>labyrinthica</i> <i>Say.</i>	28	<b>Vermetus lumbricalis</b> <i>Lam.</i>
27	<i>minuta</i> <i>Say.</i>	28	<b>Lacuna pertusa</b> <i>Conrad</i>
27	<i>subglobosa</i> (MSS.)	28	<i>fusca</i> (MSS.)
27	<b>Pupa fallax</b> <i>Say.</i>	28	<b>Turbo obligatus</b> <i>Say.</i>
27	<i>corticaria</i> <i>Say.</i>	28	<i>palliatu</i> <i>Say.</i>
27	<b>Succinea ovalis</b> <i>Say.</i>	28	<i>vestita</i> <i>Say.</i>
27	<i>campestris</i> <i>Say.</i>	28	<i>irroratus</i> <i>Say.</i>
27	<b>Auricula myosotis</b> <i>Drap.</i>	28	<i>inflatus</i> <i>Totten.</i>
27	<b>Planorbis trivolvis</b> <i>Say.</i>	28	<i>minutus</i> <i>Totten.</i>
27	<i>bicarinatus</i> <i>Say.</i>	28	<b>Turritella alternata</b> <i>Say.</i>
27	<i>armigerus</i> <i>Say.</i>	28	<i>bisuturalis</i> <i>Say.</i>
27	<i>campanulatus</i> <i>Say.</i>	28	<b>Fusus corneus</b> <i>Say.</i>
27	<i>parvus</i> <i>Say.</i>	28	<i>cinereus</i> <i>Say.</i>
	Two or more other species.	28	<i>decemcostatus</i> <i>Say.</i>
27	<b>Physa heterostropha</b> <i>Say.</i>	28	<b>Pyrula caniculata</b> <i>Lam.</i>
27	<b>Lymnaea catascopium</b> <i>Say.</i>	28	<i>carica</i> <i>Lam.</i>
27	<i>columella</i> <i>Say.</i>	28	<b>Ranella caudata</b> <i>Say.</i>
27	<i>ovata</i> <i>Lam.</i>	28	<b>Purpura lapillus</b> <i>Lam.</i>
	Two or more other species.	28	<i>imbricata</i> <i>Lam.</i>

Page.		Page.	
28	<i>Buocinum undatum</i> Linn.	28	<i>Nassa lunata</i> Say.
28	<i>Nassa obsoleta</i> Say.	28	<i>vibex</i> Say.
28	<i>trivittata</i> Say.	28	<i>Columbella avara</i> Say.

Order IV. Cephalopoda.

28	<i>Spirula Peronii</i> Lam.	28	<i>Loligo pavo</i> Lesueur.
28	<i>Loligo illecebrosa</i> Lesueur.		One or two other species.

**Totten.**—List of Shells observed on and near the Coast of New England: by Col. Jos. G. TOTTEN. (Hitchcock's Report, Amherst, 1833. Vide p. 39.)

Page.		Page.	
560	<i>Solen ensis</i> Linn.	561	<i>Nucula proxima</i> Say.
560	<i>viridis</i> Say.	561	<i>limatula</i> Say.
560	<i>Solecurtus caribaeus</i> Lam.	561	<i>Unio complanatus</i> Soland.
560	<i>costatus</i> Say.	561	<i>Alasmodonta margaritifera</i>
560	<i>fragilis</i> Dillw.		Gmelin.
	( <i>S. centralis</i> Say.)	561	<i>Modiola plicatula</i> Lam.
560	<i>Mya mercenaria</i> Linn.	561	<i>Mytilus edulis</i> Linn.
560	<i>hyalina</i> Conr.	561	<i>Pecten magellanicus</i> Gmel.
560	<i>Anatina convexa</i> Wood.	561	<i>Pealeii</i> Conr.
	( <i>A. thracia</i> of Blainv.)	561	<i>concentricus</i> Say.
560	<i>leana</i> Conr.	561	<i>Anomia ephippium</i> Gmelin.
560	<i>Maotra solidissima</i> Chemn.	561	<i>Chiton marginatus</i> Linn.
560	<i>lateralis</i> Say.	561	<i>Patella amona</i> Say.
560	<i>arotata</i> .	561	<i>alveus</i> Conr.
560	<i>tellinoides</i> Conr.	561	<i>Dispotea striata</i> Say.
560	<i>Solemya velum</i> Say.	561	<i>Crepidula fornicata</i> Gmelin.
560	<i>Corbula contracta</i> Say.	561	<i>convexa</i> Say.
560	<i>Pandora tritineata</i> Say.	561	<i>plana?</i> Say.
560	<i>Saxicava distorta</i> Say.	561	<i>glauca?</i> Say.
560	<i>Petricola pholadiformis</i>	561	<i>Helix albolabris</i> Say.
	Lam.	561	<i>alternata</i> Say.
560	<i>Sanguinolaria fusca</i> Say.	561	<i>thyroidus</i> Say.
560	<i>Lucina divaricata</i> Gmelin.	562	<i>Paludina decissa</i> Say.
560	<i>Astarte castanea</i> Say.	562	<i>Natica duplicata</i> Say.
560	<i>Cytherea convexa</i> Say.	562	<i>heros</i> Say.
560	<i>Venus mercenaria</i> Linn.	562	<i>triseriata</i> Say.
560	<i>notata</i> Say.	562	<i>Turbo palliatus</i> Say.
560	<i>Cardium Mortoni</i> Conr.	562	<i>obligatus</i> Say.
560	<i>pinnulatum</i> Conr.	562	<i>vestita</i> Say.
561	<i>Cardita borealis</i> Say.	562	<i>irroratus</i> Say.
561	<i>Arca pexata</i> Say.	562	<i>rudis</i> Say.

Page.		Page.	
562	<b>Lacuna pertusa</b> <i>Conr.</i>	562	<b>Ranella caudata</b> <i>Say.</i>
562	<b>Velutina rupicolor</b> <i>Conr.</i>	562	<b>Purpura lapillus</b> <i>Linn.</i>
562	<b>Turritella bisuturalis</b> <i>Say.</i>	562	<b>Buccinum undatum</b> <i>Linn.</i>
562	<b>Fusus cinereus</b> <i>Say.</i>	562	<b>Nassa vibex</b> <i>Say.</i>
562	<b>decemcostatus</b> <i>Say.</i>	562	<b>trivittata</b> <i>Say.</i>
562	<b>corneus</b> <i>Linn.</i>	562	<b>obsoleta</b> <i>Say.</i>
562	<b>Fulgur canaliculata</b> <i>Lam.</i>	562	<b>lunata</b> <i>Say.</i>
562	<b>carica</b> <i>Lam.</i>	562	<b>Columbella avara</b> <i>Say.</i>

**Jay.**—A Catalogue of Recent Shells in the Cabinet of JOHN C. JAY, M. D. New York, Aug. 1, 1835.

[No reference is made to this edition, as its contents are included in the fourth edition.]

**Ferussac.**—Observations adressées en forme de lettre a MM. Th. Say, C. S. Rafinesque, Is. Lea, S. P. Hildreth, T. A. Conrad, et C. A. Poulson, sur la Synonymie des Coquilles bivalves de l'Amérique Septentrionale, et Essai d'une Table de Concordance à ce sujet: par le BARON DE FERUSSAC. (From the Magasin de Zoologie, 1835, Classe V, Nos. 59, 60, pp. 1-36.)

[There are copious notes and a complete list of works on the subject, but no descriptions. The catalogue is alone given.]

Page.		Page.	
25	<b>Mytilus recurvus</b> <i>Raf.</i>	25	<b>Anodonta marginata</b> <i>Say.</i>
25	<b>Anodonta cataracta</b> <i>Say.</i>		<i>A. Pensylvanica</i> <i>Lam.</i>
	<i>Mytilus fluviatilis</i> <i>Geml.,</i>	25	<b>undulata</b> <i>Say.</i>
	<i>Dillw., Wood.</i>		<i>A. rugosus</i> <i>Swains.</i>
	<i>A. fluviatilis</i> <i>Bosc., Gray.</i>	25	<b>lata</b> <i>Raf.</i>
	<i>Mytilus illitus</i> <i>Solander.</i>		<i>Unio dehiscens</i> <i>Say.</i>
	<i>A. parallela</i> <i>Hyde, in litt.</i>		<i>Oriens</i> <i>Lea.</i>
25	<b>digonota</b> <i>Raf.</i>		<i>latus</i> <i>Conr.</i>
	(an <i>cataracta jun.?</i> )		<i>A. praelonga</i> <i>Green (Raf.)</i>
25	<b>inflata</b> <i>Raf.</i>		<i>Odatelia radiata</i> <i>Raf. (Jour-</i>
25	<b>gibbosa</b> <i>Say.</i>		<i>nal Atlant.)</i>
25	<b>fragilis</b> <i>Lam.</i>	25	<b>imbecillis</b> <i>Say.</i>
25	<b>grandis</b> <i>Say.</i>	25	<b>incerta</b> <i>Nob., Lea.</i>
25	<b>suborbiculata</b> <i>Say.</i>		(an <i>imbecilis?</i> )
25	<b>edentula</b> <i>Say.</i>	25	<b>implicata</b> <i>Say.</i>
	( <i>Alasmodonta</i> <i>Say, Conr.</i> )	25	<b>lugubris</b> <i>Say.</i>
25	<b>Ferussaciana</b> <i>Lea.</i>	25	<b>atra</b> <i>Raf.</i>
	(an <i>Alasmodonta edentula?</i> )	25	<b>cuneata</b> <i>Raf.</i>

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25	<b>Anodonta areolatus</b> Swains.	25	<b>Alasmodonta globosa</b> Lea.
25	<b>subvexa</b> Conr.	25	<b>costata</b> Raf.
25	<b>deolivis</b> Conr.		<i>A. rugosa</i> Barnes.
25	<b>teres</b> Conr.	25	<b>hians</b> Raf.
25	<b>plana</b> Lea.		(an <i>costata</i> Monstr. ?)
25	<b>Stewartiana</b> Lea.	25	<b>marginata</b> Say, Raf.
25	<b>Benedictensis</b> Lea.		<i>Decurambis scriptum</i> Raf.
25	<b>glauca</b> Valenc. (Acapulco).		(d'après Conr.)
25	<b>impura</b> Say (Mexico).		<i>U. cariosa</i> Lam. (var. 2).
25	<b>Dipsas ? fragilis</b> Raf.	26	<i>Mya rugulosa</i> Wood.
	(Lasmonos).	26	<b>undulata</b> Say, Barnes.
25	<b>Symphynota complanata</b>		<i>U. varicosa</i> Lam.
	Lea.		<i>hians</i> Valenc.
	( <i>Alasmodonta</i> Barn., Conr.)		<i>glabratus</i> Sowerby.
25	<b>alata</b> Lea.		<i>Mya undulata</i> Wood Sup.
	<i>U. alatus</i> Say, Lam., Wood.	26	<b>monodonta</b> Say ( <i>Unio</i> ).
	<i>megapterus</i> Raf.		<i>U. soleniformis</i> Lea.
25	<b>fragilis</b> Raf.	26	<b>confragosa</b> Say, Conr.
	(S. G. <i>Leptodea</i> .)	26	<b>ambigua</b> Say.
	<i>U. gracilis</i> Barnes, Lea.	26	<b>ponderosum</b> Raf.
	<i>planus</i> Barnes (d'après		( <i>Lasmigona</i> .)
	M. Lea).	26	<b>rugosum</b> Raf. id.
	<i>fragilis</i> Swains., Conr.	26	<b>sulcatum</b> Raf. id.
	<i>S. gracilis</i> Lea.	26	<b>viridis</b> Raf. id.
25	<b>Ohlensis</b> Raf.	26	<b>atropurpureum</b> Raf.
	(S. G. <i>Lastena</i> .)		( <i>Decurambis</i> .)
	<i>U. lævissima</i> Conrad.	26	<b>badium</b> Raf. ( <i>Sulcularia</i> .)
	<i>S. lævissima</i> Lea.	26	<b>papyraceum</b> Raf. id.
25	<b>compressa</b> Lea.	26	<b>sculptilis</b> Say, Conr.
	<i>U. compressus</i> Conr.	26	<b>radiata</b> Conr.
25	<b>inflata</b> Lea.	26	<b>dubia</b> Say.
	( <i>U. Ohiensis</i> ? Say.)		<i>U. Hildrethianus</i> Lea.
	<i>U. Alabamensis</i> Conr.	26	<b>margaritifera</b> Linné. ( <i>Mya</i> .)
25	<b>leptodon</b> Raf.		<i>Margaritana fluviatilis</i> Sch.
	(S. G. <i>Leptodea</i> .)		<i>U. elongata</i> Lam., Mich.
	<i>S. tenuissima</i> Lea.		<i>Roissyi</i> Mich.
	<i>A. purpurescens</i> Swains.		<i>Alasm. arcuata</i> Barnes.
	<i>U. leptodon</i> Conr.	26	<b>Ravenelliana</b> Lea.
	<i>planus</i> Barn. (selon M.		( <i>Margaritana</i> .)
	Say ?)	26	<b>Unio parvus</b> Barnes.
25	<b>diaphanus</b> ? Raf.	26	<b>Glans</b> Lea.
	( <i>Metaptera</i> ?)		( <i>parvus</i> ? Say.)
25	<b>lasmabrachis</b> ? Raf.	26	<b>Lens</b> Lea.
	( <i>Metaptera</i> ?)		( <i>lævigatus</i> , selon Conr. ; <i>sub-</i>
25	<b>Poulsoni</b> Conr.		<i>rotundus</i> , selon Say.)

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| 26    | <b>Unio suborbiculatus</b> Lam.<br><i>U. rotundata</i> Lam.<br><i>globulus</i> Say.<br><i>subglobosus</i> Lea.  | 26    | <b>Unio fasciolus</b> Raf. (son ex.)<br><i>U. subovatus</i> Lea. id.<br>( <i>Cardium</i> , var., selon Say et<br>Conr.)<br><i>jun. multiradiatus</i> Lea, Conr.<br>( <i>fasciolus</i> Raf., selon Say.) |
| 26    | <b>tetralasmus</b> Say.   | 26    | <b>ovatus</b> Say, Lam., Raf., Barn.  |
| 26    | <b>lanceolatus</b> Lea.   | 26    | <b>ochraceus</b> Say, Conr.<br><i>Symph. ochracea</i> Lea.  |
| 26    | <b>declivis</b> Say.<br><i>U. geometricus</i> Lea.  | 26    | <b>ventricosus</b> Barnes.<br><i>U. Cardium</i> Say, Conr.  |
| 26    | <b>subrostratus</b> Say.<br>(an <i>U. nasutus</i> ?)  | 26    | <b>Cardium</b> Raf., Say.<br><i>U. ventricosus</i> Barnes, var.<br><i>Occidens</i> Lea.<br><i>ovatus</i> Lam., var. b.  |
| 26    | <b>nasutus</b> Say, Barnes.<br><i>U. rostrata</i> Valenc.<br><i>Mya nasuta</i> Wood.  | 26    | <b>capax</b> Green, Conr.<br>( <i>Cardium</i> , var., selon Say.)   |
| 26    | <b>complanatus</b> Soland., Dilw.<br><i>U. violaceus</i> Spengl.<br><i>purpureus</i> Say, Barnes.<br><i>coarctata</i> Lam.<br>(d'après son exempl.)<br><i>purpurascens</i> Lam. id.<br><i>rhubula</i> Lam. id.<br><i>carinifera</i> Lam. id.<br><i>georgiana</i> Lam. id.<br><i>sulcidens</i> Lam. id.<br><i>glabrata</i> Lam. id.<br><i>varisulcata</i> ? Lam. id.<br><i>fluvialilis</i> Green?<br><i>aurata</i> Raf. (d'après<br>Conr.) | 26    | <b>cariosus</b> Say, Lam., Barn.<br><i>U. luteola</i> Lam. (d'après<br>son exempl.)<br><i>ovatus</i> Valenc.  |
| 26    | <b>congaræus</b> Lea.   | 27    | <b>viridis</b> Raf.<br>( <i>cariosus</i> , selon Say.)  |
| 26    | <b>angustatus</b> Lea.  | 27    | <b>alliquoides</b> Barnes.<br>( <i>cariosus</i> , selon Say.)<br>( <i>inflatus</i> , selon Conr.)<br><i>U. rigida</i> Wood?<br>a) <i>inflatus</i> Barnes?   |
| 26    | <b>subtentus</b> Say.   | 27    | <b>fasciatus</b> Raf., Say.<br><i>U. carinatus</i> Barnes, selon<br>Say et Conr.)   |
| 26    | <b>Carolinianus</b> Bosc.<br><i>U. obesus</i> Lea.  | 27    | <b>radiatus</b> Spengl., Gmel., Lam.<br><i>U. oblongata</i> Wood Sup.<br><i>Virginiana</i> Lam.   |
| 23    | <b>camptodon</b> Say.<br>(an <i>Carolinianus</i> ?)   | 27    | <b>teres</b> Raf.<br><i>U. anodontoides</i> Lea.  |
| 26    | <b>heterodon</b> Lea.   | 27    | <b>rectus</b> Lam., Valenc.<br><i>U. latissima</i> Raf.<br><i>proelongus</i> Barnes.<br><i>Mya praelonga</i> Wood.  |
| 26    | <b>iris</b> Lea.<br>( <i>subrostratus</i> , selon Say.)   | 27    | <b>crassus</b> Say, Raf.<br>( <i>cariosus</i> Say, selon Conr.)<br><i>U. crassidens</i> Lam., var. a.<br><i>ellipticus</i> Barnes.<br>( <i>cariosus</i> Say, selon Conr.)                               |
| 26    | <b>calceolus</b> Lea.<br>( <i>Alas. marginata</i> , selon Say;<br><i>truncata</i> Say, selon Conr.)   |       |   |
| 26    | <b>purpuratus</b> Lam.<br><i>U. ventricosa</i> Soland.<br><i>lugubris</i> Say.<br><i>ater</i> Lea.  |       |   |

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	<i>U. carinatus</i> Barnes.	27	<b>Unio fasciolaris</b> Raf.
	<i>Mya gravis</i> Wood, Sup.		<i>U. phaseolus</i> Hild., Say.
27	<b>Unio ligamentina</b> Lam.		<i>mucronatus</i> Barnes.
	<i>U. ellipsaria</i> Raf.		<i>planulatus</i> Lea.
	( <i>crassus</i> , selon Say ; <i>lineolatus</i> , selon Conr.)		<i>sinuatus</i> Raf. ? (sel. Con.)
27	<b>verrucosus</b> Raf., Say.		<i>bicolor</i> Raf. ? id.
	<i>U. tuberculatus</i> Barnes.	27	<b>Unio niger</b> Raf., Say.
27	<b>quadrulus</b> Raf.		<i>U. crassidens</i> Lam., var. b.
	<i>U. rugosus</i> Barnes.		<i>cuneatus</i> Barnes.
	<i>asperimus</i> Lea.		<i>Bariosta ponderosa</i> Raf.
27	<b>lachrymosus</b> Lea.		(d'après l'ex. env. parisi.)
	( <i>quadrulus</i> Say, Conr.)	27	<b>Venus</b> Raf.
27	<b>trapesoides</b> Lea.	27	<b>fabalis</b> Lea.
	<i>U. crassidens</i> Lam., var. a.		<i>U. lapillus</i> Say.
	<i>interruptus</i> Say.	27	<b>nervosus</b> Raf.
27	<b>Heros</b> Say.		<i>U. zig-zag</i> Lea.
	<i>U. multiplicatus</i> Lea.	27	<b>donaciformis</b> Lea ?
	<i>undulatus</i> Say.		( <i>nervosus</i> , selon Say.)
27	<b>plicatus</b> Say, Barn., Hildr.		( <i>truncatus</i> , selon Conr.)
	<i>U. Peruviana</i> Lam. (d'après son exempl. ; <i>costatus</i> ? selon Say.)	27	<b>truncatus</b> Raf.
	<i>raviplicata</i> Lam.		<i>U. elegans</i> Lea.
	<i>Dombeiana</i> Valenc.	27	<b>triqueter</b> Raf.
	<i>crassus</i> Barnes.		<i>U. triangularis</i> Barnes.
27	<b>costatus</b> Raf.		<i>cuneatus</i> Swainson.
	<i>U. undulatus</i> Barnes.		<i>formosus</i> Lea.
	<i>undulatus</i> Valenc.	27	<b>foliatus</b> Hildr.
27	<b>apiculatus</b> Say.	27	<b>Cyphia</b> Raf.
	<i>U. asper</i> Lea (sp. dis. ? Con.)		<i>U. Æsopus</i> Green.
27	<b>metanevrus</b> Raf.	27	<b>gibbosus</b> Raf.
	<i>U. nodosus</i> Barnes.		<i>U. perplexus</i> Lea.
27	<b>cylindricus</b> Say.		a) <i>Epioblasma biloba</i> Raf. ?
	<i>U. naviformis</i> Lam., Valenc.	28	<b>torulosus</b> Raf.
	<i>solenoides</i> Raf.		( <i>gibbosus</i> , selon Conr.)
27	<b>dilatatus</b> Raf.	28	<b>reflexus</b> Raf.
	<i>U. nasutus</i> Lam.		<i>U. cornutus</i> Barnes.
	<i>gibbosus</i> Barnes.	28	<b>pachostea</b> Raf.
	<i>atro-violacea</i> Raf.		( <i>triangularis</i> , selon Conr.)
	(d'après Conr.)		<i>U. Cooperianus</i> Lea.
	<i>fus. cuprea</i> Raf. id.	28	<b>tuberculatus</b> Raf.
	a) <i>mucronatus</i> Barnes.		<i>U. verrucosus</i> Barnes.
27	<b>flavus</b> Raf.		<i>verrucosus purpureus</i> Hil.
	<i>U. rubiginosus</i> Lea.		<i>tuberculosa</i> Valenc.
		28	<b>verrucosus</b> Val.
			<i>U. verrucosus</i> Barn., var.
			<i>verrucosus albus</i> Hildr.



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|-------|--|-------|---|
| 28    | <b>Unio bullatus Raf.</b>  | 28    | <b>Unio lineolatus Raf.</b>   |
| 28    | <b>plumbeus Nob.</b><br><i>Chama plumbea</i> Chemn.<br><i>U. nodulosus</i> Wood.   |       | <i>U. depressus</i> Raf.<br><i>Securis</i> Lea.   |
| 28    | <b>pustulosus Lea.</b><br>( <i>bullatus</i> Say, Conr.)  | 28    | <b>interruptus Raf.</b><br><i>U. brevidens</i> Lea.   |
| 28    | <b>nodulatus Raf.</b><br><i>U. pustulatus</i> Lea.   | 28    | <b>nexus Say.</b><br><i>U. arcæformis</i> Lea.  |
| 28    | <b>Stegarius Raf.</b><br><i>U. irroratus</i> Lea.  | 28    | <b>undatus Barnes.</b><br><i>U. trigonus</i> Lea.   |
| 28    | <b>retusa Lam.</b><br><i>U. torsus</i> Raf.  | 28    | <b>deciusus Lea.</b><br>( <i>Scalenius?</i> var., sel. Say.)  |
| 28    | <b>subrotundus Raf.</b><br><i>U. rotunda</i> Wood.<br><i>Circulus</i> Lea.<br><i>orbiculatus</i> Hildr.<br><i>pusilla</i> Raf. (selon Conr.)<br><i>striatus</i> Raf. id. | 28    | <b>cuneatus Raf.</b><br>( <i>Scalenius</i> , selon Conr.)<br><i>U. patulus</i> Lea.<br>( <i>Scalenius</i> , selon Conr.)  |
| 28    | <b>lævigatus Raf.</b>  | 28    | <b>lateralis Raf.</b><br>( <i>triangularis</i> , selon Conr.)<br><i>U. crassus</i> Barnes, var. c.  |
| 28    | <b>castaneus Lea.</b><br>( <i>lævigatus?</i> selon Say.)   | 28    | <b>sintoxia Raf.</b><br>( <i>triangularis</i> , selon Conr.)  |
| 28    | <b>politus Say.</b><br><i>U. subrotundus</i> Lea.<br>( <i>personatus</i> , selon Conr.)  | 28    | <b>mytiloides Raf.</b><br>( <i>triangularis</i> , selon Conr.)<br><i>U. cardiacea</i> Say of Guérin.<br><i>pyramidatus</i> Lea.<br>( <i>triangularis</i> , selon Conr.)<br><i>U. rubra</i> Raf.<br>( <i>triangularis</i> , selon Conr.) |
| 28    | <b>personatus Say.</b>   | 28    | <b>Clava Lam.</b><br><i>U. Scalenia</i> Raf.<br><i>modioliformis</i> Say.   |
| 28    | <b>Cyclips Raf.</b><br><i>U. abruptus</i> Say.<br><i>Calendis</i> Raf. (sel. Conr.)  | 28    | <b>retusus Raf., Conr.</b>  |
| 28    | <b>obliquatus Raf.</b><br>monstr. <i>U. Haysianus</i> Lea.<br>a) <i>U. sulcatus</i> Lea.<br>monstr. <i>U. ridibundus</i> Say.  | 28    | <b>stapes Lea, Conr.</b><br>( <i>retusus?</i> Say.)   |
| 28    | <b>olivarius Raf., Conr.</b><br><i>U. ellipsis</i> Lea.<br>( <i>triangularis</i> Raf., sel. Say.)  | 28    | <b>flexuosus Raf., Conr.</b>  |
| 28    | <b>triangularis Raf.</b>   | 28    | <b>pileus Lea, Conr.</b><br>( <i>flexuosus</i> Say?)  |
| 28    | <b>cloatricosus Say.</b><br>( <i>Cyphia</i> Raf., selon Conr.)<br><i>U. varicosus</i> Lea, id.   | 28    | <b>acutissimus Lea.</b>   |
| 28    | <b>obliqua Lam.</b><br><i>U. obovalis</i> Raf.<br><i>ebenus</i> Lam.<br><i>Mya obliqua</i> Wood?   | 28    | <b>Velum Say.</b>   |
|       |  | 28    | <b>elliptica Raf.</b>   |
|       |  | 28    | <b>zonalis Raf.</b>   |
|       |  | 28    | <b>montanus Raf.</b><br>(Contin. of a Monogr.)  |
|       |  | 28    | <b>rimosus Raf. id.</b>   |

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28	<b>Unio fulves Raf.</b>	29	<b>Unio rubellus Conr.</b>
	(Contin. of a Monogr.)	29	<b>fervus Conr.</b>
28	<b>roseus Raf. (Monogr.)</b>	29	<b>Ravenelli Conr.</b>
29	<b>pallidus Raf. id.</b>	29	<b>icterinus Conr.</b>
29	<b>vittatus Raf.</b>	29	<b>tenebrosus Conr.</b>
	(Contin. of a Monogr.)	29	<b>altilis Conr.</b>
	( <i>inflatus?</i> selon Conr.)	29	<b>perovalis Conr.</b>
29	<b>diploderma Raf. id.</b>	29	<b>prasinus Conr.</b>
29	<b>perplexus Raf. id.</b>	29	<b>infucatus Conr.</b>
29	<b>granulatus Raf. id.</b>	29	<b>oviformis Conr.</b>
29	<b>metaplata Raf. id.</b>	29	<b>perovatus Conr.</b>
29	<b>decorticata Raf. (Monogr.)</b>	29	<b>lienosus Conr.</b>
29	<b>Cliffortiana Raf. id.</b>	29	<b>stramineus Conr.</b>
29	<b>attenuata Raf. id.</b>	29	<b>arcus Conr.</b>
29	<b>plateolus Raf.</b>	29	<b>Blandingianus Lea.</b>
	(Contin. of a Monogr.)	29	<b>Camelus Lea.</b>
29	<b>tenellus Raf. id.</b>	29	<b>capillaris Lea.</b>
29	<b>pallens Raf. id.</b>		(an <i>U. personatus</i> Say?)
29	<b>rivularis Raf. id.</b>	29	<b>capsæformis Lea.</b>
29	<b>fontinalis Raf. id.</b>	29	<b>confertus Lea.</b>
29	<b>Chloris Raf. id.</b>	29	<b>Conradicus Lea.</b>
29	<b>castaneus Raf. id.</b>	29	<b>Dromas Lea.</b>
29	<b>cordatus Raf. (Monogr.)</b>	29	<b>fulvus Lea.</b>
29	<b>cinerescens Raf.</b>	29	<b>Griffithianus Lea.</b>
	(Contin. of a Monogr.)	29	<b>Kirtlandicus Lea.</b>
29	<b>lividus Raf. id.</b>	29	<b>modioliformis Lea.</b>
29	<b>flexus Raf. id.</b>	29	<b>Nashvillianus Lea.</b>
29	<b>marginatus Raf. id.</b>	29	<b>Ferdix Lea.</b>
29	<b>brevialis Sow.?</b>	29	<b>pictus Lea.</b>
29	<b>metallicus Say. (Mexique.)</b>	29	<b>Ravenelianus Lea.</b>
	<i>U. cuprinus</i> Lea.	29	<b>Schoolcraftensis Lea.</b>
29	<b>purpuratus Say.</b>	29	<b>Shepardianus Lea.</b>
29	<b>tceniatus Conr.</b>	29	<b>Sowerbianus Lea.</b>
29	<b>trabalis Conr.</b>	29	<b>Taitianus Lea.</b>
29	<b>nebulosus Conr.</b>	29	<b>Troostensis Lea.</b>
29	<b>Cor Conr.</b>	29	<b>Cyclos similis Say.</b>
29	<b>ocelatus Conr.</b>		<i>C. striatina</i> Lam.
29	<b>maculatus Conr.</b>	29	<b>sulcata Lam.</b>
29	<b>vibex Conr.</b>	29	<b>sarratogea Lam.</b>
29	<b>Greenii Conr.</b>	29	<b>rhomboidea Say.</b>
29	<b>penitus Conr.</b>	29	<b>partumeia Say.</b>
29	<b>Masoni Conr.</b>	29	<b>Virginica Gmel. (Tellina.)</b>
29	<b>delumbis Conr.</b>		<i>T. pusilla</i> Dillw., Turton.
29	<b>arotatus Conr.</b>	29	<b>æqualis Raf.</b>
29	<b>pectorosus Conr.</b>	29	<b>lasmanpals Raf.</b>

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29	<i>Cyclas Caroliniana</i> Bos., Lam. ( <i>Cyrena</i> Say.)	29	<i>Cyclas hammalis</i> Raf. ( <i>Corbioula</i> .)
29	<i>dubia</i> Say.	29	<i>staminea</i> Conr.
29	<i>edentula</i> Say.	29	<i>Tremesia patelloides</i> Raf.
29	<i>transversa</i> Say.	29	<i>Rangia cyrenoides</i> Desm. <i>Gnathodon</i> Gray.
29	<i>triangularis</i> Say. (Mexique.)		

**Jay.**—A Catalogue of Recent Shells, with descriptions of new or rare species, in the collection of JOHN O. JAY, M. D. Illustrated by 4 plates. Second edition. New York, 1836: 8vo. pp. 87.

[Vide fourth edition of the same.]

**Couthouy.**—Description of New Species of Mollusca and Shells found in Massachusetts Bay: by JOSEPH P. COUTHOUY. From the Bost. Journ. Nat. Hist., vol. ii. (American Journal of Science and Arts, O. S., vol. xxxiv, No. 1, July, 1838, pp. 216-219.)

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216	<i>Tellina sordida</i> Couth.	217	<i>Bulla triticea</i> Couth.
216	<i>Cardium pubescens</i> Couth.	217	<i>Natica consolidata</i> Couth.
216	<i>Nucula myalis</i> Couth.	217	<i>Oxinoe? glabra</i> Couth.
216	<i>tenuisulcata</i> Couth.	217	<i>Jaminia exigua</i> Couth.
216	<i>Terebratula septentrio-</i> <i>nalis</i> Couth.	218	<i>Scalaria subulata</i> Couth.
216	<i>Holis Bostoniensis</i> Couth.	218	<i>Novangliæ</i> Couth.
217	<i>salmonacea</i> Couth. ( <i>Cavolina</i> Brug.)	218	<i>Turbo incarnatus</i> Couth.
217	<i>gymnota</i> Couth. ( <i>Tergipes</i> Cuv.)	218	<i>cinereus</i> Couth.
217	<i>Tritonia Reynoldsi</i> Couth.	218	<i>obscurus</i> Couth.
217	<i>Chiton fulminatus</i> Couth.	218	<i>Pyramis striatulus</i> Couth.
217	<i>sagrinatus</i> Couth.	218	<i>Turritella erosa</i> Couth.
217	<i>Emersonii</i> Couth.	218	<i>Pleurotoma bicarinata</i> Cou.
217	<i>Patella candida</i> Couth.	218	<i>Cancellaria buccinoides</i> C.
		218	<i>Fusus harpularius</i> Couth.
		218	<i>pleurotomarius</i> Couth.
		219	<i>Trichotropis costellatus</i> C.

**Lea.**—A Synopsis of the Family of Naiades: by ISAAC LEA. Philadelphia: Carey, Lea & Blanchard, 1836. 8vo. pp. 62. With a plate of *Unio spinosus* Lea.

[Vide third edition.]

**Conrad.**—Descriptions of New Marine Shells from Upper California, collected by Thomas Nuttall, Esq.: by T. A. CONRAD. (From Journ. Acad. Nat. Sciences, Philadelphia, vol. vii, pt. 2, 1837.)<sup>1</sup>

Page.	Pl.	Fig.	Name.	Locality.
214	xx	7	<i>Modiola semicostata</i> Conr.	Salem, Mass.
251			<i>Venus Mortoni</i> Conr.	Charleston, S. C.
259	xx	3	<i>Tellina linteata</i> Conr.	Mobile Point, Ala.
263	xx	26	<i>Scalaria turbinata</i> Conr.	Beaufort, N. C.
265	xx	21	<i>Purpura Floridaana</i> Conr.	Florida and Ala.

**Naturalist.**—Miscellaneous Observations made during a tour in May, 1835, to the Falls of the Cuyahoga, near Lake Erie: extracted from the Diary of a Naturalist. (Am. Journ. Science and Art, O. S., vol. xxxi, No. 1, Jan. 1837, being the date of the title-page.)

Page.	Name.	Locality.
35	<i>Lymnæa stagnalis</i> Lam. (with a wood-cut).	Congress Lake.

By name only, the following univalves are quoted from the "Reserve":—

Page.	Name.	Page.	Name.
36	<i>Pupa exigua</i> Say.	36	<i>Helix fuliginosa</i> Griff.
36	<i>ovata</i> Say.	36	<i>Pennsylvanica</i> Green.
36	<i>Helix abolabris</i> Say.	36	<i>Succinea ovalis</i> Say.
36	<i>thyroidus</i> Say.	36	<i>avara</i> Say.
36	<i>hirsuta</i> Say.	36	<i>obliqua</i> Say.
36	<i>perspectiva</i> Say.	36	<i>Melania depygis</i> Say.
36	<i>lineata</i> Say.	36	<i>Virginica</i> Say.
36	<i>labyrinthica</i> Say.	36	<i>subularis</i> Lea.
36	<i>multilineata</i> Say.	36	<i>Lymnæa elodes</i> Say.
36	<i>pallata</i> Say.	36	<i>reflexa</i> Say.
36	<i>gularis</i> Say.	36	<i>macrostoma</i> Say.
36	<i>ligera</i> Say.	36	<i>desidiosa</i> Say.
36	<i>solitaria</i> Say.	36	<i>stagnalis</i> Lam.
36	<i>concava</i> Say.	36	<i>Physa heterostropha</i> Say.
36	<i>profunda</i> Say.	36	<i>Paludina ponderosa</i> Say.
36	<i>alternata</i> Say.	36	<i>decisa</i> Say.
36	<i>egena</i> Say.	36	<i>granosa</i> Say.
36	<i>fallax</i> Say.	36	<i>Planorbis bicarinatus</i> Say.
36	<i>tridentata</i> Say.	36	<i>trivolvus</i> Say.
36	<i>harpa</i> Say.	36	<i>campanulatus</i> Say.
36	<i>glaphyra</i> Say.	36	<i>armiger</i> Say.
36	<i>inornata</i> Say.	36	<i>exacucus</i> Say.

<sup>1</sup> This title gives not the slightest idea of the locality of the species described.

On the same page, *Helix harpa* is said to be an immature Pupa, and *Helix glaphyra*, *incornata*, and *fuliginosa* to be the same species.

On page 200, Dr. Kirtland is spoken of as author of above. *Helix fuliginosa* and *H. glaphyra* are said to be distinct.

**Kirtland.**—Report on the Zoology of Ohio: by Prof. J. P. KIRTLAND, M. D. Cincinnati, Nov. 1, 1838.

[No descriptions are given, but notes on those against which the stars are affixed.—W. G. B.]

## CLASS V.—TESTACEA.

## BIVALVE SHELLS.

Page.	No.		Page.	No.	
170	1	<i>Unio Æsopus Green.</i>	171	32	<i>Unio iris Lea.</i>
170	2	<i>alatus Say.</i>	171	33	<i>irroratus Lea.</i>
170	* 3	<i>anodontoides Lea.</i>	171	*34	<i>Kirtlandianus Lea.</i>
170	4	<i>asperimus Lea.</i>	171	35	<i>lævissimus Lea.</i>
170	5	<i>brevidens Lea.</i>	171	36	<i>lacrymosus Lea.</i>
170	* 6	<i>camelus Lea.</i>	171	37	<i>lens Lea.</i>
170	7	<i>capsæforinus Lea.</i>	171	38	<i>luteolus Lam.</i>
171	8	<i>clavus Lam.</i>	171	39	<i>metanevrus Raf.</i>
171	9	<i>circulus Lea.</i>	171	40	<i>multiradiatus Lea.</i>
171	10	<i>coccineus Hildreth.</i>	171	*41	<i>multiplicatus Lea.</i>
171	11	<i>compressus Lea.</i>	171	42	<i>mytiloides Raf.</i>
171	*12	<i>Cooperianus Lea.</i>	171	43	<i>monodontus Say.</i>
171	13	<i>cornutus Barnes.</i>	171	44	<i>nasutus Say.</i>
171	14	<i>crassidens Lam.</i>	171	45	<i>obliquus Lam.</i>
171	*15	<i>crassus Say.</i>	171	*46	<i>occidens Lea.</i>
171	16	<i>cylindricus Say.</i>	171	*47	<i>orbiculatus Hild.</i>
171	*17	<i>declivis Say.</i>	171	48	<i>ovatus Say.</i>
171	18	<i>dehiscens Say.</i>	171	49	<i>parvus Barnes.</i>
171	*19	<i>donaciformis Lea.</i>	171	50	<i>patulus Lea.</i>
171	20	<i>Dorfeullianus Lea.</i>	171	*51	<i>perplexus Lea.</i>
171	21	<i>ebenus Lea.</i>	171	*52	<i>personatus Say.</i>
171	22	<i>elegans Lea.</i>	171	53	<i>phaseolus Hild.</i>
171	23	<i>ellipsis Lea.</i>	171	54	<i>pileus Lea.</i>
171	24	<i>fabalis Lea.</i>	171	*55	<i>plicatus Say.</i>
171	25	<i>foliatus Hild.</i>	171	56	<i>pustulatus Lea.</i>
171	26	<i>fragosus Conr.</i>	171	57	<i>pustulosus Lea.</i>
171	27	<i>gibbosus Barnes.</i>	171	58	<i>pyramidatus Lea.</i>
171	28	<i>glans Lea.</i>	171	59	<i>Rangianus Lea.</i>
171	29	<i>gracilis Barnes.</i>	171	60	<i>rectus Lam.</i>
171	30	<i>graniferus Lea.</i>	171	61	<i>retusus Lam.</i>
171	31	<i>Hildrethianus Lea.</i>	172	62	<i>rubiginosus Lea.</i>

Page.	No.		Page.	No.	
		<b>Unio—</b>			<b>Margaritana—</b>
172	*63	<i>Schoolcraftensis</i> <i>Lea.</i>	172	*79	<i>calceola</i> <i>Lea.</i>
172	64	<i>securis</i> <i>Lea.</i>	172	80	<i>complanata</i> <i>Lea.</i>
172	65	<i>solidus</i> <i>Lea.</i>	172	81	<i>marginata</i> <i>Lea.</i>
172	66	<i>subovatus</i> <i>Lea.</i>	172	*82	<i>rugosa</i> <i>Lea.</i>
172	67	<i>subrotundus</i> <i>Lea.</i>			<b>Anodonta—</b>
172	68	<i>sulcatus</i> <i>Lea.</i>	172	83	<i>Buchanensis</i> <i>Lea.</i>
172	69	<i>tenuissimus</i> <i>Lea.</i>	172	84	<i>decora</i> <i>Lea.</i>
172	70	<i>triangularis</i> <i>Barnes.</i>	172	85	<i>edentula</i> <i>Lea.</i>
172	71	<i>trigonus</i> <i>Lea.</i>	172	86	<i>Ferrussaciana</i> <i>Lea.</i>
172	72	<i>tuberculatus</i> <i>Barnes.</i>	172	87	<i>imbecillis</i> <i>Say.</i>
172	73	<i>undulatus</i> <i>Barnes.</i>	172	88	<i>ovata</i> <i>Lea.</i>
172	74	<i>varicosus</i> <i>Lea.</i>	172	89	<i>pavonia</i> <i>Lea.</i>
172	75	<i>ventricosus</i> <i>Barnes.</i>	172	90	<i>Pepiniana</i> <i>Lea.</i>
172	76	<i>venustus</i> <i>Lea.</i>	172	91	<i>plana</i> <i>Lea.</i>
172	77	<i>verrucosus</i> <i>Barnes.</i>	172	92	<i>salmonia</i> <i>Lea.</i>
172	78	<i>zigzag</i> <i>Lea.</i>	172	93	<i>Wardiana</i> <i>Lea.</i>

## UNIVALVE SHELLS.

172	94	<i>Ancylus rivularis</i> <i>Say.</i>	173	120	<i>Helix obstricta</i> <i>Say.</i>
172	95	<i>Helix albolabris</i> <i>Say.</i>	173	121	<i>palliata</i> <i>Say.</i>
172	96	<i>alternata</i> <i>Say.</i>	173	122	<i>Pennsylvanica</i> <i>Gr.</i>
172	97	<i>appressa</i> <i>Say.</i>	173	123	<i>perspectiva</i> <i>Say.</i>
172	98	<i>arboreus</i> <i>Say.</i>	173	124	<i>profunda</i> <i>Say.</i>
172	99	<i>clausa</i> <i>Say.</i>	173	125	<i>solitaria</i> <i>Say.</i>
173	100	<i>concava</i> <i>Say.</i>	173	126	<i>tridentata</i> <i>Say.</i>
173	*101	<i>diodonta</i> <i>Say.</i>	173	127	<i>Wardiana</i> <i>Lea.</i>
173	102	<i>elevata</i> <i>Say.</i>	173	128	<i>zaleta</i> <i>Lea.</i>
173	103	<i>fallax</i> <i>Say.</i>			<b>Polygyra—</b>
173	104	<i>fraterna</i> <i>Say.</i>	173	129	<i>Dorfeuilliana</i> <i>Lea.</i>
173	105	<i>fuliginosus</i> <i>Griffith.</i>	173	*130	<i>Heleciana.</i>
173	106	<i>glaphyra</i> <i>Say.</i>	173	131	<i>Pupa armifera</i> <i>Say.</i>
173	107	<i>gularis</i> <i>Say.</i>	173	*132	<i>exigua</i> <i>Say.</i>
173	108	<i>harpa</i> <i>Say.</i>	173	133	<i>ovata</i> <i>Say.</i>
173	109	<i>hirsuta</i> <i>Say.</i>	173	134	<i>Succinea avara</i> <i>Say.</i>
173	110	<i>indentata</i> <i>Say.</i>	173	135	<i>ovalis</i> <i>Say.</i>
173	111	<i>inflecta</i> <i>Say.</i>	173	136	<i>retusa</i> <i>Lea.</i>
173	112	<i>inornata</i> <i>Say.</i>	173	137	<i>vermetus</i> <i>Say.</i>
173	113	<i>interna</i> <i>Say.</i>			<b>Cyclostoma—</b>
173	114	<i>labyrinthica</i> <i>Say.</i>	174	138	<i>lapidaria</i> <i>Say.</i>
173	115	<i>ligera</i> <i>Say.</i>	174	139	<i>marginalis</i> <i>Say.</i>
173	116	<i>lineata</i> <i>Say.</i>			<b>Planorbis—</b>
173	117	<i>minuta</i> <i>Say.</i>	174	140	<i>armigerus</i> <i>Say.</i>
173	118	<i>Mitchella</i> <i>Lea.</i>	174	141	<i>biocarinata</i> <i>Say.</i>
173	*119	<i>multilineata</i> <i>Say.</i>	174	142	<i>campanulata</i> <i>Say.</i>

Page. No.		Page. No.	
	<b>Planorbis—</b>		<b>Lymneus—</b>
174 143	<i>exacuous Say.</i>	174 157	<i>umbrosus Say.</i>
174 144	<i>lens Lea.</i>	174 158	<i>Melania caniculata Say.</i>
174 *145	<i>parvus Say.</i>	174 159	<i>conica Say.</i>
174 146	<i>trivolvus Say.</i>	174 160	<i>depygis Say.</i>
174 147	<i>Physa elliptica Lea.</i>	174 *161	<i>isogonica Say.</i>
174 *148	<i>elongata Say.</i>	174 162	<i>Sayii Wood.</i>
174 149	<i>heterostropha Say.</i>	174 *163	<i>Anculosa prærossa Say.</i>
174 *150	<i>Sayii Tappan.</i>	174 *164	<i>Valvata sincera Say.</i>
	<b>Lymneus—</b>	174 *165	<i>tricarinata Say.</i>
174 *151	<i>catascopus Say.</i>	174 166	<i>Paludina decisa Say</i>
174 152	<i>decidiosus Say.</i>	174 *167	<i>granosa Say.</i>
174 153	<i>elodes Say.</i>	175 *168	<i>heterostropha Kirtl.</i>
174 154	<i>exilis Lea.</i>	175 *169	<i>microstoma Kirtl.</i>
174 155	<i>reflexus Say.</i>	200 170	<i>ponderosa Say.</i>
174 *156	<i>stagnalis Lam.</i>		

**Sager.**—Report of Dr. ABM. SAGER, Zoologist of the Geological Survey [of Michigan]. Detroit, Jan. 12, 1839. [Without descriptions.]

## MOLLUSCA.

### CLASS CONCHIFERA.

#### Section Lamellipoda.

Page.		Page.	
13	<i>Cyclas similis Say.</i>	13	<i>Cyclas dubiosa Say.</i>
<b>NAIADAE. FRESH WATER BIVALVES.</b>			
13	<i>Unio plicatus Say.</i>	13	<i>Unio Hildrethianus Lea.</i>
13	<i>alatus Say.</i>	13	<i>aliquoides Barnes.</i>
13	<i>purpureus Say.</i>	13	<i>nasutus Say.</i>
13	<i>fasciolaris Raf.</i>	13	<i>rectus Lam.</i>
13	<i>undulatus Barnes.</i>	13	<i>dilatatus Raf.</i>
13	<i>multiradiatus Lea.</i>	13	<i>tuberculatus Raf.</i>
13	<i>circulus Lea.</i>	13	<i>bullatus Raf.</i>
13	<i>penitus Conr.</i>	13	<i>olivarius Raf.</i>
13	<i>lapillus Say.</i>	13	<i>rubiginosus Lea.</i>
13	<i>compressus Lea.</i>	13	<i>gibbosus Raf.</i>
13	<i>triangularis Barnes.</i>	13	<i>ventricosus Barnes.</i>
13	<i>cariosus Say.</i>	13	<i>Anodonta Ferussaciana Lea.</i>
13	<i>fragilis Raf.</i>	13	<i>cataracta Say.</i>
13	<i>subrotundus Lea.</i>	13	<i>Alasmodonta marginata Say.</i>
13	<i>coelatus Conr.</i>	13	<i>undulata Say.</i>
13	<i>iris Lea.</i>	13	<i>edentula Say.</i>

CLASS MOLLUSCA.

Order Gasteropoda.

Page.  
14 *Patella*.

PHYLLIDIANA.

Order Trachelipoda.

COLIMACEA.

	Page.		Page.
14		14	<i>Helix ligera Say.</i>
14	<i>albolabris Say.</i>	14	<i>fuliginosa Say.</i>
14	<i>saleta Say.</i>	14	<i>concava Say.</i>
14	<i>multilineata Say.</i>	14	<i>profunda Say.</i>
14	<i>clausa Say.</i>	14	<i>alternata Say.</i>
14	<i>fraterna Say.</i>	14	<i>tridentata Say.</i>
14	<i>fallax Say.</i>	14	<i>inornata Say.</i>
14	<i>hirsuta Say.</i>	14	<i>elevata Say.</i>
14	<i>perspectiva Say.</i>	14	<i>arboreus Say.</i>
14	<i>palliatu Say.</i>	14	<i>Pupa ovata Say.</i>
14	<i>inflecta Say.</i>	14	<i>Succinea ovalis Say.</i>
14	<i>thyroidus Say.</i>	14	<i>campestris Say.</i>
14	<i>fraterna Say.</i>		

LYMNEANA.

14	<i>Planorbis trivolvis Say.</i>	15	<i>Physa elongata Say.</i>
14	<i>exacucus Say.</i>	15	<i>Lymneus columellus Say.</i>
14	<i>campanulatus Say.</i>	15	<i>elodes Say.</i>
14	<i>bicarinatus Say.</i>	15	<i>desidiosus Say.</i>
14	<i>Physa heterostropha Say.</i>	15	<i>stagnalis.</i>

MELANIANA.

15	<i>Melania Virginica Say.</i>	15	<i>Melania depygis Say.</i>
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PERISTOMIANA.

15	<i>Valvata tricarinata Say.</i>	15	<i>Paludina decisa Say.</i>
15	<i>sincera Say.</i>	15	<i>ponderosa Say.</i>

**De Kay.**—Catalogue of the Animals belonging to the State of New York, as far as they have been figured and described: by J. E. DE KAY. Assembly No. 50. Jan. 1, 1839. (No descriptions.)

MOLLUSCA.

Page.		Page.	
12	<i>Lolligo punctata.</i>	12	<i>Helix monodon.</i>
12	<i>Helix thyroidus.</i>	12	<i>hirsuta.</i>
12	<i>albolabris.</i>	12	<i>tridentata.</i>



Page.		Page.	
12	<i>Helix alternata.</i>	12	<i>Alasmodonta undulata.</i>
12	<i>Limneus.</i>	12	<i>Unio purpureus.</i>
12	<i>Melampus bidentatus.</i>	12	<i>cariosus.</i>
12	<i>Turbo rudis.</i>	12	<i>ochraceus</i> and var.
12	<i>palliatu8.</i>	12	<i>Cardita borealis.</i>
12	<i>irroratus.</i>	12	<i>Cardium Mortoni.</i>
12	<i>neretoides.</i>	12	<i>pinnatulum.</i>
12	<i>Scalaria lineata.</i>	12	<i>Donax fossor.</i>
12	<i>Paludina disscisa.</i>	12	<i>Astarte castanea.</i>
12	<i>Natica heros.</i>	12	<i>Venus gemma.</i>
12	<i>duplicata.</i>	12	<i>mercenaria.</i>
12	<i>Crepidula fornicata.</i>	12	<i>notata.</i>
12	<i>plana.</i>	12	<i>Cytherea convexa.</i>
12	<i>Nassa trivittata.</i>	12	<i>Petricola pholadiformis.</i>
12	<i>obsoleta.</i>	12	<i>Mactra lateralis.</i>
12	<i>Columbella avara.</i>	12	<i>solidissima.</i>
12	<i>Ranella caudata.</i>	12	<i>Mya arenaria.</i>
12	<i>Fusus cinereus.</i>	12	<i>Lyonsia hyalina.</i>
12	<i>Chiton inermis.</i>	12	<i>Anatina dubia.</i>
12	<i>Anomia ephippium.</i>	12	<i>Solemya velum.</i>
12	<i>Arca pexata.</i>	12	<i>Pandora trilineata.</i>
12	<i>transversa.</i>	12	<i>Solecurtus caribeus.</i>
12	<i>Modiolus papuanus.</i>	12	<i>costatus.</i>
12	<i>demissus.</i>	12	<i>Sanguinolaria fusca.</i>

**De Kay.**—(Same as last. Dec. 1839.)

CLASS V. **MOLLUSCA.**

Order I. **Cephalopoda.**

Page.		Page.	
31	<i>Loligo punctata</i> , n. sp.	31	<i>Loligo Pealeii.</i>

Order II. **Pteropoda.**

31 *Clio borealis.*

Order III. **Gasteropoda.**

† **PULMONEA.**

31	<i>Limax lineatus</i> , n. sp.	31	<i>Helix palliata.</i>
31	<i>marmoratus</i> , n. sp.	31	<i>minuta.</i>
31	<i>Helix thyroideus.</i>	31	<i>hirsuta.</i>
31	<i>albolabris.</i>	31	<i>clausa.</i>
31	<i>tridentata.</i>	31	<i>perspectiva.</i>
31	<i>appressa.</i>	31	<i>elevata.</i>

<p>Page.</p> <p>31 <b>Helix</b> zaleta.          31 dentifera.          31 subglobosa.          31 scabra.          31 arborea.          31 glaphyra.          31 lineata.          31 fallax.          31 fraterna.          31 diodonta.          31 inornata.          31 indentata.          31 gularis.          31 ligera.          31 concava.          31 profunda.          31 <b>Pupa corticaria.</b>          31 exigua.          31 pentodon.          31 ovata.          31 <b>Succinea obliqua.</b>          31 putris.          31 lineata, n. sp.          31 ovalis.          31 <b>Auricula cornea.</b>          31 lineata.</p>	<p>Page.</p> <p>31 <b>Auricula borealis.</b>          31 <b>Planorbis trivolvis.</b>          31 bicarinatus.          31 campanulatus.          31 parvus.          31 exacus.          32 armigerus.          32 megastoma, n. sp.          32 niger n. sp.          32 <b>Lymnea catascopium.</b>          32 desidiosa.          32 macrostoma.          32 reticulata n. sp.          32 reflexa.          32 appressa.          32 elodes.          32 humilis.          32 pinguis.          32 nigrescens, n. sp.          32 modicellus.          32 gracilis, n. sp.          32 <b>Physa heterostropha.</b>          32 ancillaria.          32 fragilis n. sp.          32 elliptica.</p>
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†† NUDIBRANCHIATA.

<p>32 <b>Doris.</b>          32 <b>Tritonia Reynoldsi.</b>          32 <b>Eolis bostoniensis.</b></p>	<p>32 <b>Cavolina salmonacea.</b>          32 <b>Tergipes gymnota.</b></p>
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††† INFEROBRANCHIATA, not observed.

†††† TECTIBRANCHIATA.

<p>32 <b>Bulla fluviatilis.</b>          32 insculpta.</p>	<p>32 <b>Bulla oryza.</b>          32 triticea.</p>
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††††† HETEROPODA, not observed.

††††† PECTINIBRANCHIATA.

<p>32 <b>Turbo obligatus.</b>          32 irroratus.          32 vestitus.          32 palliatus.          32 inflatus.          32 incarnatus.</p>	<p>32 <b>Turbo minutus.</b>          32 cinereus.          32 multilineatus n. sp.          32 <b>Lacuna fusca.</b>          32 <b>Pleurotoma bicarinata.</b>          32 <b>Turritella interrupta.</b></p>
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Page.		Page.	
32	<i>Scalaria subulata.</i>	32	<i>Galericulum.</i>
32	<i>Valvata tricarinata.</i>	32	<i>Calyptrea.</i>
32	<i>sincera.</i>	32	<i>Sigaretus glaber.</i>
32	<i>Paludina dissocia.</i>	32	<i>Velutina rupicola.</i>
32	<i>porata.</i>	32	<i>Cryptostoma.</i>
32	<i>lustrica.</i>	32	<i>Marginella carnea.</i>
32	<i>heros n. sp.</i>	32	<i>Trichotropis.</i>
32	<i>Ampullaria paludosa.</i>	32	<i>Cancellaria leonthocyl.</i>
32	<i>Melania multilineata.</i>	32	<i>Buccinum undatum.</i>
32	<i>Lamina trifida.</i>	32	<i>Nassa obsoleta.</i>
32	<i>exigua.</i>	32	<i>trivittata.</i>
32	<i>Natica duplicata.</i>	32	<i>Purpura lapillus.</i>
32	<i>heros.</i>	32	<i>imbricata.</i>
32	<i>triseriata.</i>	33	<i>bizonalis.</i>
32	<i>pusilla.</i>	33	<i>Pasithea nigra.</i>
32	<i>consolidata.</i>	33	<i>Ranella caudata.</i>
32	<i>immaculata.</i>	33	<i>Fusus corneus.</i>
32	<i>Crepidula glauca.</i>	33	<i>cinereus.</i>
32	<i>fornicata.</i>	33	<i>decemcostatus.</i>
32	<i>plana.</i>	33	<i>Fulgur canaliculatus.</i>
32	<i>convexa.</i>		

## +++++ SCUTIBRANCHIATA.

33 *Fissurella greca.*

## +++++ CYCLOBRANCHIATA.

33	<i>Patella alveus.</i>	33	<i>Chiton pectinatus.</i>
33	<i>candida.</i>	33	<i>fulminatus.</i>
33	<i>amcena.</i>	33	<i>sagrinatus.</i>
33	<i>Ancylus rivularis.</i>		

## Order IV. Acephala.

## † TESTACEA.

33	<i>Ostrea borealis.</i>	33	<i>Modiola papuana.</i>
33	<i>Virginica.</i>	33	<i>glandula.</i>
33	<i>Pecten concentricus.</i>	33	<i>Anodonta cataracta.</i>
33	<i>Anomia ephippium.</i>	33	<i>marginata.</i>
33	<i>Arca pexata.</i>	33	<i>Pennsylvanica.</i>
33	<i>transversa.</i>	33	<i>plana.</i>
33	<i>incongrua.</i>	33	<i>benedictensis.</i>
33	<i>Nucula semisulcata.</i>	33	<i>fragilis.</i>
33	<i>myalis.</i>	33	<i>subcylindracea.</i>
33	<i>Mytilus edulis.</i>	33	<i>edentula.</i>
33	<i>cubitus.</i>	33	<i>Ferussaciana.</i>
33	<i>striatus.</i>	33	<i>Alasmodonta rugosa.</i>

Page.		Page.	
33	<i>Alasmodonta undulata.</i>	33	<i>Venus preopaca.</i>
33	<i>marginata.</i>	33	<i>inequalis.</i>
33	<i>arcuata.</i>	33	<i>gemma.</i>
33	<i>Unio complanatus.</i>	33	<i>Astarte castanea.</i>
33	<i>radiatus.</i>	34	<i>daumoniensis.</i>
33	<i>occidens.</i>	34	<i>Cytherea convexa.</i>
33	<i>luteolus.</i>	34	<i>Petricola pholadiformis.</i>
33	<i>compressus.</i>	34	<i>Corbula.</i>
33	<i>nasutus.</i>	34	<i>Mactra solidissima.</i>
33	<i>ochraceus.</i>	34	<i>subtriangularis.</i>
33	<i>cariosus.</i>	34	<i>lateralis.</i>
33	<i>novi-eboraci.</i>	34	<i>tellinoidea.</i>
33	<i>heterodon.</i>	34	<i>nuclens.</i>
33	<i>orassus.</i>	34	<i>Amphidesma corbuloides.</i>
33	<i>gracilis.</i>	34	<i>Mya arenaria.</i>
33	<i>Cardita borealis.</i>	34	<i>Lutraria.</i>
33	<i>Cardium Mortoni.</i>	34	<i>Anatina pretensis.</i>
33	<i>pinnatum.</i>	34	<i>papyratia.</i>
33	<i>pubescens.</i>	34	<i>Solemya velum.</i>
33	<i>grænlandicum.</i>	34	<i>borealis.</i>
33	<i>Donax fossor.</i>	34	<i>Glycymeris siliqua.</i>
33	<i>Cylos similis.</i>	34	<i>Pandora trilineata.</i>
33	<i>dubia.</i>	34	<i>Saxicava distorta.</i>
33	<i>partumeia.</i>	34	<i>Solen ensis.</i>
33	<i>rhomboida.</i>	34	<i>viridis.</i>
33	<i>Cyprina islandica.</i>	34	<i>Solecortus costatus.</i>
33	<i>Tellina tenera.</i>	34	<i>fragilis.</i>
33	<i>sordida.</i>	34	<i>caribæus.</i>
33	<i>lateralis.</i>	34	<i>Sanguinolaria fusca.</i>
33	<i>versicolor.</i>	34	<i>Pholus crispata.</i>
33	<i>Venus mercenaria.</i>	34	<i>lamellata.</i>
33	<i>notata.</i>	34	<i>Teredo navalis.</i>

## †† NUDA.

34	<i>Ascidea rustica.</i>	34	<i>Ascidea ovalis.</i>
34	<i>pedunculata.</i>	34	<i>Botryllus stellatus.</i>
34	<i>plicata.</i>	34	<i>Polyolinum.</i>

## Order V. Brachiopoda.

34	<i>Terebratula septentrionalis.</i>
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**Russell.**—Familiar Notice of some of the Shells found in the limits of Essex County, Massachusetts, with reference to descriptions and figures: by JOHN LEWIS RUSSELL. (From Journal of the Essex Co. Natural History Society, June, 1839.)

[With notes, descriptive and geographical.]

Page.		Page.	
49	<b>Teredo navalis.</b>	60	<b>Anodonta implicata Say.</b>
50	<b>Pholas crispata.</b>	61	<b>Modiola papuana Lam.</b>
50	<i>lamellata Turton.</i>	61	<i>plicatula Lam.</i>
51	<b>Solen ensis.</b>	61	<b>Mytilus edulis.</b>
51	<b>Solecortus costatus Say.</b>	62	<i>pellucidus.</i>
	<i>Solen costatus Say.</i>	62	<b>Pecten Magellanicus.</b>
51	<b>Glycymeris siliqua.</b>	62	<b>Anomia ephippium L.</b>
51	<b>Mya mercenaria.</b>	63	<b>Terebratula septentrionalis</b>
52	<b>Anatina Leana.</b>		<i>Couth.</i>
52	<b>Maotra gigantea.</b>	63	<b>Chiton fulminatus Couth.</b>
	<i>M. solidissima Say.</i>	64	<b>Patella alveus Conr.</b>
53	<i>arotata Conr.</i>		<i>Patelloidea Guimard.</i>
53	<i>tellinoides Conr.</i>	64	<i>amœna Say.</i>
53	<b>Solemya velum.</b>		<i>Patelloidea Guimard.</i>
54	<b>Sanguinolaria fusca Conr.</b>	64	<b>Crepidula fornicata.</b>
54	<b>Pandora trilineata Say.</b>	65	<i>plana Say.</i>
54	<b>Saxicava distorta Say.</b>	65	<b>Ancylus rivularis Say.</b>
55	<b>Petricola fornicata.</b>	66	<b>Velutina rupicola.</b>
	<i>P. pholadiformis Lam.</i>		<i>Orynoë glabra Couth. ?</i>
56	<b>Tellina polita.</b>	67	<b>Natica heros Say.</b>
56	<i>tenera Say.</i>	67	<i>triseriata.</i>
56	<i>sordida Couth.</i>	67	<i>consolidata Couth.</i>
57	<b>Astarte castanea Say.</b>	67	<b>Melampus bidentatus Mont.</b>
	<i>Crassina Lam.</i>	68	<b>Lacuna pertusa Conr.</b>
	<i>Venus castanea Say.</i>	68	<b>Nassa obsoleta Say.</b>
67	<b>Cyprina Islandica Lam.</b>	68	<i>trivittata.</i>
58	<b>Venus mercenaria.</b>	69	<b>Trichotropis costellatus.</b>
58	<i>gemma Tott.</i>	69	<b>Buccinum undatum.</b>
58	<b>Cardium pinnulatum Conr.</b>	69	<b>Purpura lapillus.</b>
58	<b>Nucula limatula Say.</b>		<i>Buccinum lapillus Lin.</i>
58	<i>tenuisulcata Couth.</i>	70	<i>imbricata Lam.</i>
59	<i>myalis Couth.</i>	70	<b>Fusus decemcostatus Say.</b>
59	<b>Unio complanatus Lea.</b>	70	<i>corneus Say.</i>
	<i>U. purpureus.</i>	71	<i>cinereus Say.</i>
60	<i>radiatus Say.</i>	71	<i>harpularius Couth.</i>
60	<i>nasutus Say.</i>	71	<b>Turritella erosa Couth.</b>
60	<b>Anodonta cataraeta.</b>	72	<b>Turbo palliatus Say.</b>

Page.		Page.	
72	<i>Turbo vestita</i> Say.	74	<i>Rostellaria occidentalis</i>
72	<i>obligatus</i> Say.		<i>Gutrin.</i>
73	<i>inflatus</i> Tott.	74	<i>Pyramis striatulus</i> Couth.
73	<i>minutus</i> Tott.	75	<i>Modiola discrepans</i> Mont.
73	<i>incarnatus</i> Couth.	75	<i>Thracia</i> Conradi.
73	<i>cinereus</i> Couth.	75	<i>Bulla triticea</i> Couth.
74	<i>obscurus</i> Couth.	75	<i>Scalaria subulata</i> Couth.
74	<i>Cancellaria buccinoides</i> Cou.	76	<i>Solemya borealis</i> Totten.

**Conrad.**—Observations on the Genus *Gnathodon*, with description of a New Species: by T. A. CONRAD. (From Am. Journ. Sci. and Art, O. S., vol. xxxviii, No. 1, Oct.–Dec., 1839.)

Page.	Name.	Locality.
92	<i>Gnathodon cuneata</i> .	Gulf of Mexico.
92	<i>Grayi</i> (fossil).	Yorktown, Va.
92	<i>flexuosa</i> Conr. (with a figure).	Florida.

**Adams.**—Description of Shells: by Prof. C. B. ADAMS. (From same, vol. xxxix, No. 2, 1840.)

Page.	Name.	Locality.
373	<i>Cerithium terebrale</i> Adams.	New Bedford.
374	<i>Planorbis virens</i> Adams.	New Bedford.
374	<i>Limnæa acuminata</i> Adams.	New Bedford & Woburn, Mass.
374	<i>umbilicata</i> Adams.	New Bedford.
374	<i>pallida</i> Adams.	Shoreham, Vt.
375	<i>Cyclas elegans</i> Adams.	

**Adams.**—Shells of Fresh Pond: by Prof. C. B. ADAMS. (From same, vol. xxxvi, No. 2, 1839. No descriptions.)

Page.		Page.	
392	<i>Unio nasutus</i> .	392	<i>Valvata tricarinata</i> .
392	<i>complanatus</i> .	392	<i>Succinea ovalis</i> .
392	<i>radiatus</i> .	392	<i>Lymnea heterostropha</i> .
392	<i>Anodonta implicata</i> .	392	<i>columellaris</i> .
392	<i>Cyclas similis</i> .	392	<i>catascopium</i> .
392	<i>Planorbis trivolvis</i> .	392	<i>Physa heterostropha</i> .
392	<i>bicarlinatus</i> .	392	<i>Paludina decisa</i> .
392	<i>deflectus</i> ?	392	<i>lustrica</i> ?
392	<i>hirsutus</i> , n. s. (descrip.)		
392	<i>Anodonta cataracta</i> = <i>A. implicata</i> .		

**Tappan.**—Description of some New Shells: by BENJ. TAPPAN, Steubenville, Ohio. (In Am. Journal Science, O. S., vol. xxxv, No. 2. Date of title-page, Jan. 1839.)

Page.	Pl.	Fig.	Name.	Locality.
268	iii	1	<i>Unio Sayii</i> Ward.	Circleville.
269	iii	2	<i>Paludina heterostropha</i> Kirtland.	Mahoning river.
269	iii	3	<i>Physa Sayii</i> Tappan.	Lake Pepin, Ohio.

**Jay.**—A Catalogue of the Shells, arranged according to the Lamarckian System: together with descriptions of new or rare species contained in the collection of JOHN C. JAY, M. D. Illustrated by several plates. 3d edition, 4to. pp. 126. New York, 1839.

[Vide the fourth edition. The following species are described]:—

Page.	Pl.	Fig.	Name.	Locality.
112	i	8, 9	<i>Paludina scalaris</i> Jay.	Everglades of Florida.
112	i	10, 11	<i>Lymnæa gracilis</i> Jay.	Essex County, N. Y.
113	i	17, 18	<i>Trichotropis costulatus</i> Couth.	Massachusetts Bay.
		iii	7 <i>Ampullaria scalaris</i> Orb.	Mexico.
		v	1, 2 <i>Unio spinosus</i> Lea.	Altamaha river.
122	vii	11	<i>Melania læta</i> Jay.	Alabama.

**Couthouy.**—Monograph of Osteodesmacea, &c.: by J. P. COUTHOUY. (From Am. Journ. Sci. and Art, O. S., vol. xxxvi, April–July, 1839.) Descriptions of the following American species:—

Page.	Name.	Locality.
383	<i>Thracia Conradi</i> Couth. <i>T. declivis</i> Conrad, non Pennant. <i>Anatina convexa</i> Hitchcock's Rep. <i>Thracia corbuloides</i> Kiener.	New England.
384	<i>Osteodesma hyalina</i> Couth. <i>Mya hyalina</i> Conrad. <i>Amphidesma corbuloides</i> Hitchcock's Rep.	
385	<i>Hells diversa</i> Couth.	Massachusetts Bay.
385	<i>Cochleodesma</i> Couth. (n. g.) ex. <i>Anatina Leana</i> Conr.	
389	<i>Nucula navicularis</i> Couth.	Massachusetts Bay.
389	<i>Bulla lineolata</i> Couth.	Massachusetts Bay.

Page.	Name.	Locality.
390	<i>Bulla hiemalis</i> <i>Couth.</i>	Massachusetts Bay.
390	<i>Gouldii</i> <i>Couth.</i>	Massachusetts Bay.
390	<i>Pleurotoma decussata</i> <i>Couth.</i>	Massachusetts Bay.
390	<i>Anculotus dentatus</i> <i>Couth.</i>	Petomas, Va.

**C. B. Adams.**—(From same.) Notes on the following shells, and descriptions of new species:—

Page	Name	Locality.
387	<i>Columbella avara</i> <i>Say.</i>	Massachusetts.
387	<i>Buccinum vibex</i> <i>Say. (Nassa.)</i>	Massachusetts.
387	<i>trivittatum</i> <i>Say. (Nassa.)</i>	Massachusetts.
387	<i>obsoletum</i> <i>Say. (Nassa.)</i>	Massachusetts.
388	<i>Purpura lapillus</i> <i>L.</i>	Massachusetts.
388	<i>Fusus cinereus</i> <i>Say.</i>	Massachusetts.
388	<i>Ranella caudata</i> <i>Say.</i>	Massachusetts.
388	<i>Jaminia seminuda</i> <i>Adams.</i>	Dartmouth.
388	<i>Pyramis fusca</i> <i>Adams.</i>	New Bedford.
388	<i>Cerithium Emersonii</i> <i>Adams.</i>	New Bedford, &c.
388	<i>nigrocinctum</i> <i>Adams.</i>	Dartmouth.

**A. A. Gould, M. D.**—(From same, vol. xxxvii, July–October, 1839.)

Page.	Name.	Locality.
392	<i>Helix aspersa</i> <i>Mull.</i>	Portland, Maine.

**Haldeman.**—A Monograph of the Limniades and other fresh-water Univalve Shells of North America: by S. STEHMAN HALDEMAN, Member Phila. Acad. Nat. Sci., Philadelphia.

No. I.—July, 1840.

Pa. Pl.	Fig.	Name.	Locality.
4	i	<i>Paludina decisa</i> <i>Say.</i> <i>P. heterostropha</i> <i>Kirtland.</i> <i>limosa</i> <i>Val.</i> <i>cornea</i> <i>Val.?</i> <i>ponderosa</i> , <i>jun. Desh.?</i>	Ohio riv., N.J. streams; Del., Schuylkill, Susquehanna rivs.; New Engl., O.; Fox, Nola-chucky, Tenn. rivs.; N. W. Terr.
8	ii	<i>subcarinata</i> <i>Say.</i> <i>Helix decisa</i> <i>Wood.</i> <i>P. carinata</i> <i>Val. (removed in errata).</i>	Ohio, Del., Schuylkill, and Susq. rivers.



Pa.	Pl.	Fig.	Name.	Locality.
10	iii		<i>Paludina integra</i> Say.	S. C., O., Miss. r. in Ia.
13	iv		<i>ponderosa</i> Say.	O., Ind., Ill., Tenn., Ala.
15	v		<i>genicula</i> Conr.	Flint river, Ga.
4	of cover		<i>Anculosa littorina</i> Hald.	Holston river, Va.
4	"		<i>Cerithium (Potamis) Californicum</i> Hald.	California.
4	"		<i>Cyclas elevata</i> Hald.	New Orleans.
4	"		Genus <i>Discus</i> ( <i>Planorbis armigerus</i> ).	

## No. II.—January, 1841.

17	vi		<i>Paludina vivipara</i> Lin. <i>P. lineata</i> Val.	Fla., Ala., Ind., Mo., Mich., Cuba.
23	vii	1-2	<i>Georgiana</i> Lea.	Hopeton, Ga.
24	vii	3,4	<i>Bengalensis</i> Lam. <i>P. fasciata</i> Bowd. <i>elongata</i> Swains. <i>multilineata</i> Say.	Florida.
26	viii		<i>carinata</i> Val.	Mexico.
28	ix		<i>subpurpurea</i> Say.	Wabash, S. Louis, Wis.
31	x	1-6	<i>intertexta</i> Say. <i>P. transversa</i> Say.	New Orleans; S. C.
3	of cover		<i>Melania rufula</i> Hald.	Lake Pepin.
3	"		<i>Physa fontana</i> Hald.	Pennsylvania.
3	"		<i>Ancylus parallelus</i> Hald.	Vermont.
3	"		Subgenus <i>Angitrema</i> (Ex. <i>Melania armigera</i> Say.)	
3	"		<i>Melania costifera</i> Hald.	Illinois.
3	"		<i>Helix dissimilis</i> Wood = <i>Pal. decisa</i> .	
3	"		<i>Pal. decisa</i> .	N. Y., Va., N. C.
3	"		<i>Helix decisa</i> Wood = <i>Pal. subcarinata</i> .	
3	"		<i>Pal. subcarinata</i> .	Tennessee.

## No. III.—July, 1841.

## Subgenera of LIMNEA.

5			<i>Limnea</i> Lam.	
5			<i>Radix</i> Mont.	
6			<i>Laptolimnea</i> Swainson.	
6			<i>Bulimnea</i> Hald.	
6			<i>Acella</i> Hald.	
6	i		<i>Limnea catascopium</i> Say. <i>L. pinguis</i> Say? <i>cornea</i> Val. <i>Virginiana</i> Lam. ?	Mass., N. York, N. W. Terr., Canada, Dela- ware and Schuylkill rivers, Oregon.
10	ii		<i>emarginata</i> Say.	N. W. Terr., Maine.
10			<i>serrata</i> Hald. (n. sp. ?)	

Pa.	Pl.	Fig.	Name.	Locality.
13	iii	1-3	<i>Limnea megasoma</i> Say.	N. W. Terr., Vermont.
15	iii	4-5	<i>rugosa</i> Val.	Mexico.
16	iv		<i>jugularis</i> Say.	N. York, Mich., N. W. Terr., Oregon.
			<i>L. speciosus</i> Rossm.	
			<i>stagnalis</i> (Sill. Journ.)	
3	of cover		<i>Paludina rufa</i> Hald. (pl. iii, fig. 1.)	
3	"		<i>Anculosa fusca</i> Hald.	Oregon.
3	"		<i>Anoylus</i> ( <i>Velletea</i> ) <i>Nuttallii</i> Hald.	Oregon.
3	"		<i>diaphanus</i> Hald.	Ohio.
3	"		<i>Limnæa ferruginea</i> Hald.	Oregon.
3	"		<i>Physa</i> ( <i>Diastrophæ</i> ) <i>integra</i> Hald.	Indiana.
3	"		<i>Melania varjocosa</i> Ward.	Ohio.
			<i>M. rufula</i> Hald. (var. ?)	
3	"		<i>Bulimus vermetus</i> Anthony.	Ohio.
3	"		<i>Melania inflata</i> Hald.	Alabama river.
3	"		<i>curta</i> Hald.	Ohio river.
3	"		<i>Physa concolor</i> Hald.	Oregon.
3	"		<i>Anculosa</i> ( <i>Mudalla</i> ) <i>affinis</i> Hald.	Ohio.
4	"		<i>Paludina vitula</i> Raf. = <i>P. Bengalensis</i> .	
4	"		<i>Physa osculans</i> = <i>heterostrophæ</i> ?	

## No. IV.—January, 1842.

18	v		<i>Limnea appressa</i> Say.	Lake Superior to New England.
			<i>L. speciosus</i> Ziegl.	
20	vi		<i>fragilis</i> Lin.	N. W. Terr., Can., Me., Mass., N. Y., L. Erie,
			<i>L. elodes</i> Say.	
			<i>palustris</i> Sowb.	Ohio, Pa., Oregon.
24	vii		<i>umbrosa</i> Say.	Mo., N. Y., Ohio, Ind., Ill., Upper Canada.
			<i>L. elongatus</i> Say.	
26	viii		<i>reflexa</i> Say.	Ohio, Ind., Ill., N. Y.,
			<i>L. palustris</i> var. <i>distortus</i> Rossm.	Lakes Erie and Sup.
			<i>exilis</i> Lea.	
28	ix	1-5	<i>attenuata</i> Say.	Mexico.
29	ix	6-8	<i>expansa</i> Hald.	Vermont.
31	x		<i>desidiosa</i> Say.	New England to Miss. river; lat. 35° to 45°.
			<i>L. obrussa</i> Say?	
			<i>acuta</i> Lea.	
			<i>Philadelphica</i> Lea.	
3	of cover		<i>Anculosa crassa</i> Hald.	Clinch river? Tenn.
3	"		<i>Melania æqualis</i> Hald.	Nolachucky river.
3	"		<i>uncialis</i> Hald.	Beaver cr., N. E. Tenn.
3	"		<i>symmetrica</i> Hald.	Roanoke river, Va.
3	"		<i>bellacrenata</i> Hald.	Alabama.
3	"		<i>Limnea vitrea</i> Hald.	
3	"		<i>Amnicola attenuata</i> Hald.	Montgomery Co., Va.

Pa.	Pl.	Fig.	Name.	Locality.
3	of	cover	<i>Ammicola pallida</i> Hald.	Vermont.
4	"	"	<i>galbana</i> Hald. (fossil.)	Sussex Co., N. Jersey.
4	"	"	<i>Sayana</i> Anthony.	
4	"	"	<i>Melania gracilis</i> vel <i>pulchella</i> Anthony.	Stark Co., O.
4	"	"	<i>approximata</i> Hald.	Tennessee.
4	"	"	<i>intersita</i> Hald.	Swan creek, Ind.
4	"	"	<i>Physa globosa</i> Hald.	Nolachucky river.
4	"	"	<i>Ammicola pallida</i> Hald.	Middlebury, Vt.
4	"	"	<i>Paludina carinata</i> Val. (vide supra) = <i>P. multicarinata</i> .	
4	"	"	<i>Pal. carinata</i> Sw. = <i>P. uncarinata</i> .	

## Part V.—July, 1842.

34	xi	1-9	<i>Limnea caperata</i> Say. <i>L. umbilicata</i> Adams.	Vt., Mass., Ind., Ohio, Ill., Pa.
36	xi	10-13	<i>solida</i> Lea. <i>L. apicina</i> Lea.	Oregon.
38	xii		<i>columella</i> Say. <i>L. chalybea</i> Gould. <i>navicula</i> Val. <i>acuminata</i> Adams. <i>macrostoma</i> Say. <i>coarctata</i> Lea. <i>succiniformis</i> Adams, MSS.	Me., Mass., Pa., Ohio, S. C., N. W. Terr.
41	xiii	1-8	<i>humilis</i> Say. <i>L. modicellus</i> Say. <i>parva</i> Lea?	Me. to S. C., Ohio.
44	xiii	9, 10	<i>bulimoides</i> Lea.	Oregon.
45	xiii	11-13	<i>pallida</i> Adams.	Vermont.
47	xiii	14, 15	<i>vitrea</i> Hald.	Ohio? Missouri?
48	xiii	16-18	<i>desidiosa</i> ? <i>L. obrussa</i> Say.	Philadelphia.
49	xiii	19, 20	<i>ferruginea</i> Hald.	Oregon.
50	xiii	21	<i>gracilis</i> Jay.	Lake Champlain.
51	xiii	22, 23	<i>galbana</i> Say (fossil?).	New Jersey.
52	xiv		<i>catascopium</i> ? <i>L. decollata</i> Mighels.	Maine.
53	xv	1	<i>fragilis</i> Lin. <i>L. Nuttalli</i> Lea.	Oregon.

## No. VI.—January, 1843.

23	i		<i>Physa heterostropha</i> Say.	Ga., Me., Oregon, N. W.
	ii	1-9	<i>Lymnea heterostropha</i> Say. <i>Bulla fontinalis</i> Chem.?	Terr., Canada.

Pa.	Pl.	Fig.	Name.	Locality.
			<i>crassula</i> Dillw.?	
			<i>Physa aurea</i> Lea.	
			<i>fontana</i> Hald.	
27	iii	1-10	<i>anollaria</i> Say.	Del. and Conn. rivers.
			<i>P. Sayii</i> Tappan.	
29	ii	11-13	<i>osculans</i> Hald.	Mexico? India?
			<i>Bulla fontinalis</i> Chem.?	
30	ii	10	<i>concolor</i> Hald.	Oregon.
31	iii	11-13	<i>fragilis</i> Mighels.	Maine.
32	iii	1-6	<i>gyrina</i> Say.	Mo., Ind., Ohio, Ver't,
			<i>P. elliptica</i> Lea.	Georgia.
33	iv	7-8	<i>integra</i> Hald.	Indiana.
34	iv	9	<i>scalaris</i> Jay.	Florida.
35	v	1-3	<i>distorta</i> Hald.	Mo., Ohio, Ky.
36	v	4-9	<i>hypnorum</i> Lin.	Mass., Vt., N. Y., West.
			<i>P. elongata</i> Say.	States, Oregon.
			<i>Aplexa hypnorum</i> Gray, &c.	
38	v	10-12	<i>globosa</i> Hald.	Nolachucky river.
			<i>Physella globosa</i> Hald.	
39	iv	12-14	<i>microstoma</i> Hald.	Kentucky, Ohio.
			<i>Physodon microstoma</i> Hald.	
4 of cover			<i>P. striata</i> and <i>P. subarata</i> Mke. = <i>P. heterostropha</i> ?	
4	"		<i>Melania cruentata</i> Mke. = <i>Anculosa prærorsa</i> Say.	
4	"		<i>livescens</i> Mke., <i>curta</i> Mke., and <i>fasciata</i> Mke. = <i>M. Virginica</i> .	
4	"		<i>Warderiana</i> Lea = <i>M. simplex</i> Say.	
4	"		<i>acuto-carinata</i> Lea = <i>M. simplex</i> Say.	
4	"		<i>Hildrethiana</i> Lea = <i>M. obovata</i> Say.	
4	"		<i>globula</i> Lea = <i>M. subglobosa</i> Say.	
4	"		<i>virgata</i> Lea = <i>M. subglobosa</i> Say.	
4	"		<i>Cincinnatiensis</i> Lea = <i>Anculosa prærorsa</i> Say.	
4	"		<i>Anculosa dentata</i> Lea = <i>A. dentata</i> Couthouy.	
4	"		<i>Melania catenaria</i> Lea (name preoc.)	
4	"		<i>Lymnea fusiformis</i> Lea (name preoc.)	
4	"		<i>Io tenebrosa</i> Lea = <i>Fusus fluviatilis</i> Say.	
4	"		<i>Melania Kirtlandiana</i> Lea = <i>M. exilis</i> Hald.	
4	"		<i>Paludina angulata</i> Lea	} = <i>P. magnifica</i> Conr.
4	"		<i>coosdensis</i> Lea	
4	"		<i>bimonilifera</i> Lea	

## No. VII.—January, 1844.

6	i	1-6	<i>Planorbis bicarinatus</i> Say.	N. Engl. to Ga., N. W.
			<i>Helix angulatus</i> Rackett.	Terr. to Tenn.
			<i>P. engonatus</i> Conr.	
			<i>Helisoma bicarinata</i> Swainson.	

Pa.	Pl.	Fig.	Name.	Locality.
9	i	7-11	<i>Planorbis campanulatus</i> Say.	N. Engl., N. Y., Ohio, Ill., N. W. Terr.
11	ii	1-3	<i>glabratus</i> Say.	S. Car., Mexico? New Orleans, Oregon.
13	ii	4-7	<i>trivolvus</i> Say. <i>P. corpulentus</i> Whittemore. <i>regularis</i> Lea. <i>Bulla fluviatilis</i> Say.	New England, N. Y., Pa., N. W. Terr.
15	iii	1-3	<i>trivolvus</i> var. <i>fallax</i> . <i>P. lentus</i> Gould.	Mass., Lake Erie, Ind.?
18	iii	4-6	<i>lentus</i> Say.	New Orleans, S. C.
19	iii	7-9	<i>corpulentus</i> Say.	N. W. Terr., Oregon.
21	iv	1-3	<i>exacutus</i> Say. <i>P. exacutus</i> Say (err. typ.) <i>lens</i> and <i>Brogniarti</i> Lea. <i>Paludina hyalina</i> Lea.	New England, N. York, Western States.
23	iv	16-18	<i>dilatatus</i> Gould. (preoc.?) <i>P. dilatatus</i> Hald.	Mass., O., Del. riv., Md.
25	iv	4-7	<i>deflectus</i> Say. <i>P. virens</i> Adams.	New England, Ohio, N. W. Terr.
27	iv	19-23	<i>parvus</i> Say. <i>P. elevatus</i> Adams.	East., Midd., & West. States, N. W. Terr.
29	iv	8-10	<i>albus</i> Müller. <i>P. hispidus</i> Drap. <i>hirsutus</i> Gld.	N. England, Lake Su- perior, &c.
30	iv	11-15	<i>armigerus</i> Say.	Rast., West., & Midd. States, N. W. Terr.
4	i	1	<i>Ancylus rivularis</i> Say.	Del. and Susq. rivers, var. in James river.
6	i	2	<i>depressus</i> Hald.	Holston river, Va.
7	i	3	<i>tardus</i> Say.	Wabash, Vermont.
8	i	4	<i>diaphanus</i> Hald.	Ohio.
9	i	5	<i>obscurus</i> Hald.	Nolachucky river.
10			<i>flosus</i> Conr.	Bl'k Warrior riv., Ala.
11	i	6	<i>parallelus</i> Hald. <i>A. rivularis</i> Gould non Say.	New England.
12	i	7	<i>fuscus</i> Adams.	Fresh pond, Cambridge, Mass.
14	i	8	<i>crassus</i> Hald.	Oregon.

Index—*Planorbis parallelus* Say. =*Helix lineata*?

4	of cover	<i>Amnicola tenuipes</i> Couper.	Hopeton, Ga.
4	"	<i>Melania substricta</i> Hald.	Tennessee.
4	"	<i>conica</i> Say (name restored). <i>substricta</i> Hald. (withdrawn from the species).	
4	"	<i>pilula</i> Lea = <i>Anculosa littorina</i> Hald.	

## No. VIII. (No date.)

Pa.	Pl.	Fig.	Name.	Locality.
7	i	2, 3	<i>Amnicola decisa</i> Hald.	Susq. & Schuylk. riva.
9	i	4	<i>Cincinnatiensis</i> Anthony. <i>Paludina Cincinnatiensis</i> Anth.	Cincinnati.
10	i	5, 6	<i>limosa</i> Say. <i>Paludina limosa</i> Say. <i>Pal. porata</i> Adams & Gould. <i>A. lustrica</i> Hald. in lett.	Maine to Penn'a and Ohio.
12	i	7	<i>pallida</i> Hald. <i>Pal. lustrica</i> Adams.	Lake Champlain.
13	i	8	<i>porata</i> Say. <i>Paludina porata</i> Say.	Cayuga Lake.
15	i	9	<i>galbana</i> Hald. (fossil).	Sussex Co., N. Jersey.
16			<i>lustrica</i> Say. <i>Paludina lustrica</i> Say.	Cayuga Lake.
17			<i>granum</i> Say. <i>Paludina grana</i> Say.	Philadelphia.
18	i	10	<i>lapidaria</i> Say. <i>Pal. lapidaria</i> Say.	East and west of Alleghanies.
19	i	11	<i>Sayana</i> Anthony, in lett. <i>Cyclostoma Cincinnatiensis</i> Lea.	Cincinnati.
21	i	12	<i>Nickliniana</i> Lea. <i>Paludina Nickliniana</i> Lea.	Virginia.
22	i	13	<i>attenuata</i> Hald. <i>A. elongata</i> in tab.	Montgomery Co., Va.
23	i	14-15	<i>tenuipes</i> Couper.	Georgia.
24			<i>orbiculata</i> Lea.	Ohio, Philadelphia.
24			<i>parva</i> Lea.	Springfield, Ohio.
24			<i>obtusa</i> Lea ( <i>Paludina</i> ).	Ohio.
5	i, ii		<i>Ampullaria depressa</i> Say. <i>A. paludosa</i> Say. <i>Hopetonensis</i> Lea.	Georgia, Florida.
8			<i>globosa</i> Swainson. <i>A. rotundata</i> Say.	Florida? Calcutta?
10			<i>flagellata</i> Say.	Mexico.
11			<i>urceus</i> Müller. <i>A. rugosa</i> Lam.	Mexico.
11			<i>Paludina intertexta</i> Say. = <i>Ampullaria</i> ?	
11			<i>ponderosa</i> Say, is a true <i>Paludina</i> .	
3	i	1-4	<i>Valvata tricarinata</i> Say. <i>Cyclostoma tricarinata</i> Say. <i>Valvata carinata</i> Sowb. var. <i>simplex</i> Gould. var. ? <i>bicarinata</i> Lea. var. ? <i>unicarinata</i> De Kay.	N. England and Middle States, &c. Schuylkill river.

Pa. Pl. Fig.	Name.	Locality.
6 i 5-10	<i>Valvata sincera</i> Say.	N. W. Terr., Vermont.
9	<i>humeralis</i> Say.	Mexico.
10 i 11-13	<i>pupoidea</i> Gould.	Boston.

In a Supplement to Part I.—October, 1840.

1	<i>Melania interrupta</i> Hald.	Tennessee.
1	<i>suturalis</i> Hald.	Ohio.
1	<i>exilis</i> Hald.	Kentucky and Ohio.
1	<i>substriata</i> Hald. for <i>M. conica</i> Say, preocc.	

Subgenera of **ANCULOSA**.

1	<i>Anculosa</i> Say.	
1	<i>Lithasia</i> Hald.	
1	<i>Paludomus</i> Sw.	
1	<i>Hemimitra</i> Sw.	
1	<i>Mudalia</i> Hald.	
1	<i>Anculosa</i> ( <i>Lithasia</i> ) <i>geniculata</i> Hald.	East Tennessee.
2	( <i>Mudalia</i> ) <i>turgida</i> Hald.	
2	<i>Limnea platystoma</i> Hald.	Vermont.
2	<i>expansa</i> Hald.	Vermont.
2	<i>Physa microstoma</i> Hald.	Kentucky and Ohio.
2	<i>distorta</i> Hald.	Ohio.
2	<i>Discus</i> Hald. = <i>Planorbula</i> Hald.	
2	<i>Spirorbis</i> Swains. = <i>Discus</i> .	
2	<i>Hellsoma</i> .	
2	<i>Segmentina</i> .	

Subgenera of **PALUDINA**.

2	<i>Paludina</i> Lam.
2	<i>Lutella</i> Hald.
2	<i>Tulotoma</i> Hald.
2	<i>Nematura</i> Benson.
3	<i>Ammicola</i> G. and H.

Specimen number of Haldeman's Monograph.—Jan. 1, 1840.

3 i 1	<i>Planorbis bicarinatus</i> Say.	
6	<i>Anculotus littorina</i> Hald.	Holston river, Va.

DR. A. A. GOULD.—(Am. Journal Sci. and Art, O. S., vol. xxxviii. Date of title, April, 1840.)

Page.

193	<i>Delphinula minor</i> Adams = <i>Delphinoidea</i> ( <i>Helix</i> ) <i>corpuloides</i> Mont.
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**T. J. Whittemore.**—(From same.) Notes on—

Page.	Name.	Locality.
193	<i>Planorbis corpulentus</i> .	Vermont.

**DR. A. A. Gould.**—(From same.) Descriptions of—

Page.	Name.	Page.	Name.
196	<i>Solecortus nitidus Gould.</i>	196	<i>Natica flava Gould.</i>
196	<i>Maetra ovalis Gould.</i>	197	<i>canaliculata Gould.</i>
196	<i>Bulla debilis Gould.</i>	197	<i>Lacuna neritoidea Gould.</i>
196	<i>obstricta Gould.</i>	197	<i>Fusus scalariformis Gould.</i>
196	<i>Idmnsa chalybea Gould.</i>	197	<i>tornatus Gould.</i>
196	<i>Valvata pupoidea Gould.</i>	197	<i>Buccinum roseceum Gould.</i>
196	<i>Planorbis hirsutus Gould.</i>		

Page.	Name.	Locality.
396	Notes on <i>Murex tricolor</i> .	California.
396	" <i>bicolor</i> .	California.
396	" <i>Cardium californianum</i> .	California.
396	" <i>Trochus vittatus</i> .	California.
396	" <i>Bulimus undatus</i> .	California.

**PROF. C. B. Adams.**—(From same.)

Page.	Name.	Locality.
396	Notes on <i>Jamnia producta Adams.</i>	Andover, Mass.
396	" <i>Ancylus fuscus Adams.</i>	Andover, Mass.
396	" <i>Pleurotoma plicata Adams.</i>	New Bedford.
396	" <i>Tornatella puncto-striata Adams.</i>	New Bedford.
396	" <i>Pholas costatus.</i>	New Bedford.

**Kirtland.**—Fragments of Natural History: by J. P. KIRTLAND, M. D., Prof. Theol. and Prac. Phys., in Med. Coll. Ohio, Cincinnati. No. 1. Habits of the Naiades. (Am. Journ. Sci. and Art, O. S., vol. xxxix, No. 1, pp. 164-168. April-June, 1840.

[Notes on sexual difference and byssus, with a list of species of *Unio*, *Alasmodon*, and *Anodon* examined.]

Page.	Name.
165	<i>Unio pileus</i> Lea is male of <i>U. personatus</i> Say.
165	<i>tenuissimus</i> Lea is female of <i>U. velum</i> Say.
165	<i>donaciformis</i> is female of <i>Zigzao</i> .
165	<i>Margaritana deltoidea</i> Lea is male of <i>Alasmodon calceola</i> Lea.
167	<i>Unio zigzag</i> (young), figure a. b.



**Anthony.**—List of Land and Fresh-water Shells found chiefly in the vicinity of Cincinnati: by J. G. ANTHONY. (No date given; no descriptions.)

No.		No.	
1	<i>Helix albolabris</i> Say.	4	<i>Pupa modesta</i> Say.
2	<i>appressa</i> Say.	1	<i>Succinea avara</i> Say.
3	<i>alternata</i> Say.	2	<i>campestris</i> Say.
4	<i>arborea</i> Say.	3	<i>ovalis</i> Say.
5	<i>concava</i> Say.	1	<i>Valvata sincera</i> Say.
6	<i>chersina</i> Say.	2	<i>tricarinata</i> Say.
7	<i>clausa</i> Say.	1	<i>Amnicola integra</i> Say.
8	<i>elevata</i> Say.	2	<i>lapidaria</i> Say.
9	<i>electrina</i> Gould.	3	<i>lustrica</i> Say.
10	<i>fuliginosa</i> Griff.	1	<i>Cyclostoma Cincinnatiensis</i> Lea.
11	<i>fraterna</i> Say.	1	<i>Anculosa præerosa</i> Say.
12	<i>fallax</i> Say.	1	<i>Physa ancillaria</i> Say.
13	<i>glaphira</i> Say.	2	<i>elongata</i> Say.
14	<i>hirsuta</i> Say.	3	<i>heterostropha</i> Say.
15	<i>inornata</i> Say.	4	<i>gyrina</i> Say.
16	<i>indentata</i> Say.	1	<i>Paludina ponderosa</i> Say.
17	<i>inflecta</i> Say.	2	<i>intégra</i> Say.
18	<i>interna</i> Say.	3	<i>limosa</i> Say.
19	<i>ligera</i> Say.	4	<i>subcarinata</i> Say.
20	<i>labyrinthica</i> Say.	5	<i>pallida</i> Lea.
21	<i>lineata</i> .	1	<i>Limnea columella</i> Say.
22	<i>limatula</i> Ward.	2	<i>caperata</i> Say.
23	<i>leai</i> Ward.	3	<i>desiduoosa</i> Say.
24	<i>minuta</i> Say.	4	<i>elodes</i> Say.
25	<i>multilineata</i> Say.	5	<i>humilis</i> Say.
26	<i>minuscule</i> Binney.	6	<i>jugularis</i> Say.
27	<i>profunda</i> Say.	7	<i>reflexa</i> Say.
28	<i>pallata</i> Say.	8	<i>umbrosa</i> Say.
29	<i>perspectiva</i> Say.	1	<i>Planorbis armigerus</i> Say.
30	<i>Pennsylvanica</i> Green.	2	<i>bicarlinatus</i> Say.
31	<i>ruderata</i> Studer.	3	<i>campanulatus</i> Say.
32	<i>solitaria</i> Say.	4	<i>corpulentus</i> Say.
33	<i>suppressa</i> Say.	5	<i>concava</i> Anthony.
34	<i>diodonta</i> Say.	6	<i>deflectus</i> Say.
35	<i>thyroideus</i> Say.	7	<i>Brogniartiana</i> Lea.
36	<i>tridentata</i> Say.	8	<i>lentus</i> Say.
37	<i>zaleta</i> Say.	9	<i>parvus</i> Say.
38	<i>intertexta</i> Binney.	10	<i>trivolvus</i> Say.
1	<i>Pupa armifera</i> Say.	1	<i>Melania canaliculata</i> Say.
2	<i>contracta</i> Say.	2	<i>conica</i> Say.
3	<i>exigua</i> Say.		

No.		No.	
3	<i>Melania depygis</i> Say.	36	<i>Unio metanevra</i> Raf.
4	<i>Kirtlandiana</i> Lea.	37	<i>monodontus</i> Say.
5	<i>excurata</i> Conrad.	38	<i>nasutus</i> Say.
6	<i>gracilis</i> Anthony.	39	<i>occidens</i> Lea.
7	<i>Sayii</i> Wood.	40	<i>Ovatus</i> Say.
8	<i>undulata</i> Say.	41	<i>pustulosus</i> Lea.
9	<i>varicosa</i> Ward.	42	<i>perplexus</i> Lea.
1	<i>Cyclus dubia</i> Say.	43	<i>pyramidatus</i> Lea.
2	<i>partumela</i> Say.	44	<i>pustulatus</i> Lea.
3	<i>similis</i> Say.	45	<i>pileus</i> Lea.
4	<i>rhomboidea</i> Say.	46	<i>phaseolus</i> Hildreth.
1	<i>Unio alatus</i> Say.	47	<i>parvus</i> Barnes.
2	<i>abruptus</i> Say.	48	<i>personatus</i> Say
3	<i>anodontoides</i> Lea.	49	<i>plicatus</i> Say.
4	<i>arctior</i> Lea.	50	<i>politus</i> Say.
5	<i>asperrimus</i> Lea.	51	<i>ridibundus</i> Say.
6	<i>Æsopus</i> Green.	52	<i>rectus</i> Lam.
7	<i>crassus</i> Say.	53	<i>rangianus</i> Lea.
8	<i>cicatricosus</i> Say.	54	<i>rubiginosus</i> Lea.
9	<i>cylindricus</i> Say.	55	<i>subovatus</i> Lea.
10	<i>circulus</i> Lea.	56	<i>Schoolcraftensis</i> Lea.
11	<i>compressus</i> Lea.	57	<i>securis</i> Lea.
12	<i>coccineus</i> Lea.	58	<i>sulcatus</i> Lea.
13	<i>Cooperianus</i> Lea.	59	<i>siliquoideus</i> Barnes.
14	<i>clavus</i> Lam.	60	<i>Sayii</i> Ward.
15	<i>cuneatus</i> Barnes.	61	<i>triangularis</i> Barnes.
16	<i>cornutus</i> Barnes.	62	<i>tuberculatus</i> Barnes
17	<i>dehiscens</i> Say.	63	<i>torsa</i> Raf.
18	<i>ebenus</i> Lea.	64	<i>trigonis</i> Lea.
19	<i>elegans</i> Lea.	65	<i>tenuissimus</i> Lea.
20	<i>ellipsis</i> Lea.	66	<i>undatus</i> Barnes.
21	<i>fabalis</i> Lea.	67	<i>verrucosus</i> Barnes.
22	<i>formosus</i> Lea.	68	<i>zigzag</i> Lea.
23	<i>foliatus</i> Hildreth.	1	<i>Alasmodonta ambigua</i> Say.
24	<i>fragosa</i> Conrad.	2	<i>calceola</i> Lea.
25	<i>gibbosus</i> Barnes.	3	<i>deltoides</i> Lea.
26	<i>gracilis</i> Barnes.	4	<i>complanata</i> Lea.
27	<i>Graniferus</i> Lea.	5	<i>rugosa</i> Lea.
28	<i>glans</i> Lea.	6	<i>truncata</i> Say.
29	<i>Hildrethianus</i> Lea.	1	<i>Anodonta edentula</i> Say.
30	<i>heros</i> Say.	2	<i>Ferussaciana</i> Lea.
31	<i>irroratus</i> Lea.	3	<i>Wardiana</i> ? Lea.
32	<i>iris</i> Lea.	4	<i>plana</i> Lea.
33	<i>lævissimus</i> Lea.	5	<i>pavonia</i> Lea.
34	<i>lachrymosus</i> Lea.	6	<i>imbecillis</i> Say.
35	<i>multiradiatus</i> Lea.		

Second edition of same. Cincinnati, Jan. 1, 1843.

No.		No.	
1	<b>Amnicola Cincinnatiensis</b> Anthony. <i>Paludina Cincinnatiensis</i> Anthony.	24	<b>Helix elevata</b> Say. <i>H. Knoxvilliana</i> Ferrussac.
2	<b>integra</b> Say. <i>Melania integra</i> Say.	25	<b>fallax</b> Say.
3	<b>Amnicola lapidaria</b> Say. <i>Cyclostoma lapidaria</i> Say.	26	<b>fraterna</b> Say. <i>H. monodon</i> Wood. <i>convexa</i> Deshayes.
4	<b>lustrica</b> Say. <i>Paludina lustrica</i> Say.	27	<b>fuliginosa</b> Griffith. <i>H. lucubrata</i> Say. <i>lævigata</i> Ferrussac.
5	<b>Sayana</b> Anthony. <i>Cyclostoma Sayana</i> Anth. <i>Cincinnatiensis</i> Lea.	28	<b>hirsuta</b> Say. <i>H. fraterna</i> Wood.
6	<b>Anculosa costata</b> Anthony.	29	<b>indentata</b> Say.
7	<b>isogona</b> Say. <i>Melania isogona</i> Say. <i>Paludina pallida</i> Lea.	30	<b>inflecta</b> Say. <i>H. clausa</i> Ferrussac.
8	<b>præorsa</b> Say. <i>Melania Cincinnatiensis</i> Lea.	31	<b>inornata</b> Say.
9	<b>Ancylus diaphanus</b> Hald.	32	<b>interna</b> Say. <i>H. pomum-Adami</i> Green.
10	<b>rivularis</b> Say.	33	<b>intertexta</b> Binney.
10½	<b>tardus</b> Say.	34	<b>labyrinthica</b> Say.
11	<b>Bulinus lubricus</b> Bruguiere.	35	<b>liger</b> Say. <i>H. Rafinesquea</i> Ferrussac. <i>Wardiana</i> Lea.
12	<b>vermetus</b> Anthony.	36	<b>limatula</b> Ward.
13	<b>Cyclos dubia</b> Say.	37	<b>lineata</b> Say.
14	<b>partumela</b> Say.	38	<b>minuscule</b> Binney. <i>H. minutissima</i> Lea.
15	<b>similis</b> Say. <i>C. sulcata</i> Lam.	39	<b>monodon</b> Rackett. <i>H. Leaii</i> Ward.
16	<b>Helix albolabris</b> Say.	40	<b>multilineata</b> Say.
17	<b>alternata</b> Say. <i>H. scabra</i> Lam. <i>radiata</i> Gmelin.	41	<b>palliat</b> Say. <i>H. obstricta</i> Say. <i>denotata</i> Ferrussac. <i>Carocolla helicoides</i> Lea. <i>Carolinensis</i> Lea.
18	<b>appressa</b> Say. <i>H. linguisfera</i> Ferrussac.	42	<b>Pennsylvanica</b> Green.
19	<b>arborea</b> Say.	43	<b>perspectiva</b> Say. <i>H. parvula</i> Deshayes.
20	<b>clausa</b> Say. <i>H. Mitchelliana</i> Lea. <i>Mobiliana</i> Lea.	44	<b>profunda</b> Say. <i>H. Richardi</i> Lam.
21	<b>cherrina</b> Say.	45	<b>pulchella</b> Muller. <i>H. minuta</i> Say. <i>paludosa</i> Montagu.
22	<b>concava</b> Say. <i>H. planorboides</i> Ferrussac.	46	<b>Sayli</b> Binney. <i>H. diodonta</i> Say.
23	<b>electrina</b> Gould.		

No.		No.	
47	<i>Helix solitaria</i> Say.	80	<i>Planorbis campanulatus</i> Say.
48	<i>striatella</i> Anthony.	81	<i>concoavus</i> Anthony.
49	<i>suppressa</i> Say.	82	<i>corpulentus</i> Say.
50	<i>tridentata</i> Say.	83	<i>deflectus</i> Say.
51	<i>thyroidens</i> Say.	84	<i>dilatatus</i> Gould.
52	<i>zaleta</i> Say.		<i>P. lens</i> (preoccupied) Lea.
53	<i>Limnea caperata</i> Say.	85	<i>exacutus</i> Say.
54	<i>decidiosa</i> Say.		<i>Paludina hyalina</i> Lea.
	<i>L. acuta</i> Lea.	86	<i>lentus</i> Say.
	<i>Philadelphica</i> Lea.	87	<i>parvus</i> Say.
55	<i>elodes</i> Say.	88	<i>trivolvis</i> Say.
56	<i>humilis</i> Say.	89	<i>Pupa albilabris</i> Ward.
	<i>L. parva</i> Lea.		<i>Cyclostoma marginata</i> Say.
57	<i>reflexa</i> Say.	90	<i>armifera</i> Say.
	<i>L. exilis</i> Lea.	91	<i>contracta</i> Say.
58	<i>jugularis</i> Say.	92	<i>orticaria</i> Say.
	<i>L. speciosa</i> Rossmasler.	93	<i>exigua</i> Say.
59	<i>umbrosa</i> Say.	94	<i>modesta</i> Say.
59½	<i>columella</i> Say.	94½	<i>pentodon</i> Say.
	<i>L. chalybea</i> Gould.	95	<i>Subocinea campestris</i> Say.
60	<i>Melania canaliculata</i> Say.		<i>S. obliqua</i> Say.
61	<i>conica</i> Say.		<i>retusa</i> Lea.
62	<i>depygis</i> Say.	96	<i>avara</i> Say.
63	<i>exilis</i> Hald.	97	<i>ovalis</i> Say.
	<i>M. Kirtlandianus</i> Lea.		<i>S. aurea</i> Lea.
64	<i>gracilis</i> Anthony.	98	<i>Valvata sincera</i> Say.
65	<i>Sayii</i> Wood.	99	<i>tricarinata</i> Say.
66	<i>exourata</i> Conr.		<i>V. bicarinata</i> Lea.
67	<i>undulata</i> Say.	100	<i>Unio alasmodontinus</i> Barns.
68	<i>varicosa</i> Ward.		<i>U. compressus</i> Lea.
69	<i>Paludina heterostropha</i> Kirt.	101	<i>alatus</i> Say.
70	<i>integra</i> Say.		<i>U. megapterus</i> Raf.
71	<i>ponderosa</i> Say.	102	<i>bullatus</i> Raf.
72	<i>subcarinata</i> Say.		<i>U. prasinus</i> Conrad.
72½	<i>decisa</i> Say.		<i>Schoolcraftensis</i> Lea.
73	<i>Physa ancillaria</i> Say.		<i>pustulosus</i> Lea.
74	<i>elongata</i> Say.		<i>Dorfeuillanus</i> Lea.
75		103	<i>cardium</i> Raf.
76	<i>gyrina</i> Say.		<i>U. ventricosus</i> Barnes.
	<i>P. elliptica</i> Lea.		<i>occidens</i> Lea.
77	<i>heterostropha</i> Say.		<i>subovatus</i> Lea.
	<i>P. aurea</i> Lea.		<i>dolabriformis</i> Lea.
78	<i>Planorbis armigerus</i> Say.	104	<i>dicatricosus</i> Say.
79	<i>bicarinatus</i> Say.		<i>U. varicosus</i> Lea.

- | No. |  | No. |   |
|-----|--|-----|---|
| 105 | <b>Unio cuneatus Raf.</b><br><i>U. modioliformis</i> Say.<br><i>scalenius</i> Raf.<br><i>patulus</i> Lea.<br><i>decius</i> Lea.  |     | <i>U. Troostensis</i> Lea.  |
| 106 | <b>crassus Say.</b><br><i>U. ellipsarius</i> Raf.<br><i>fasciatus</i> Raf. (young).<br><i>ligamentina</i> Lam.<br><i>carinatus</i> Barnes.<br><i>ellipticus</i> Barnes.<br><i>venustus?</i> Lea. | 119 | <b>Unio leptodon Raf.</b><br><i>U. planus</i> Barnes.<br><i>velum</i> Say (female).<br><i>purpurascens</i> Swaina.<br><i>tenuissimus</i> Lea. |
| 107 | <b>cylindricus Say.</b><br><i>U. solenoides</i> Raf.<br><i>naviformis</i> Lam.   | 120 | <b>lineolatus Raf.</b><br><i>U. depressus</i> Raf.<br><i>securis</i> Lea.   |
| 108 | <b>cyphus Raf.</b><br><i>U. Æsopus</i> Green.  | 121 | <b>metanevrus Raf.</b><br><i>U. nodosus</i> Barnes.   |
| 109 | <b>dilatatus Raf.</b><br><i>U. gibbosus</i> Barnes.<br><i>nasutus</i> Lam.<br><i>arctior</i> Lea.  | 122 | <b>monodontus Say.</b><br><i>U. soleniformis</i> Lea.   |
| 110 | <b>flavus Raf.</b><br><i>U. rubiginosus</i> Lea.<br><i>trigonus</i> Lea.   | 123 | <b>mytiloides Raf.</b><br><i>U. cordatus</i> Raf. (young).<br><i>undatus</i> Barnes.<br><i>pyramidatus</i> Lea.<br><i>solidus</i> Lea.        |
| 111 | <b>fasciolus Raf.</b><br><i>U. multiradiatus</i> Lea.  | 124 | <b>nasutus Say.</b><br><i>U. rostratus</i> Val.<br><i>Vaughanians?</i> Lea.   |
| 112 | <b>fasciolaris Raf.</b><br><i>U. phaseolus</i> Hild.<br><i>planulatus</i> Lea.<br><i>camelus</i> Lea.  | 125 | <b>nervosus Raf.</b><br><i>U. donaciformis</i> Lea.<br><i>zig-zag</i> Lea.  |
| 113 | <b>flexuosus Raf.</b><br><i>U. foliatus</i> Hild.  | 126 | <b>nigrum Raf.</b><br><i>U. cuneatus</i> Barnes.<br><i>gibber</i> Lea.  |
| 114 | <b>fragilis Raf.</b><br><i>U. gracilis</i> Barnes.   | 127 | <b>nodulatus Raf.</b><br><i>U. pustulatus</i> Lea.  |
| 115 | <b>fragosus Conr.</b>  | 128 | <b>obliquatus Raf.</b><br><i>U. sulcatus</i> Lea.<br><i>ridibundus</i> Say (fem.)   |
| 116 | <b>gibbosus Raf.</b><br><i>U. torulosus</i> Raf.<br><i>perplexus</i> Lea.<br><i>rangianus</i> Lea.<br><i>capaxformis</i> Lea.  | 129 | <b>obovallis Raf.</b><br><i>U. ebenus</i> Lea.  |
| 117 | <b>heros Say.</b><br><i>U. undulatus</i> Say.<br><i>multiplicatus</i> Lea.   | 130 | <b>Ohioensis Raf.</b><br><i>U. levissimus</i> Lea.<br><i>inflatus</i> Lea.  |
| 118 | <b>lapillus Say.</b><br><i>U. fabalis</i> Lea.   | 131 | <b>olivarius Raf.</b><br><i>U. ellipsis</i> Lea.  |
|     |  | 132 | <b>orbiculatus Hild.</b><br><i>U. abruptus</i> Say.   |
|     |  | 133 | <b>ovatus Say.</b><br><i>U. globosus</i> Lea (female).<br><i>capax</i> Green (female).  |
|     |  | 134 | <b>parvus Barnes.</b>   |

No.		No.	
134½	<b>Unio personatus</b> Say (female). <i>U. capillaris</i> Say (fem.) <i>pileus</i> Lea (male). <i>plenus</i> Lea (male). <i>Sowerbianus</i> Lea.	149	<b>Unio triquetrus</b> Raf. <i>U. cuneatus</i> Swainson. <i>triangularis</i> Bar. (fem.) <i>formosus</i> Lea (male).
135	<b>plicatus</b> Say. <i>U. rariplicatus</i> Lam. <i>costatus</i> Raf. <i>Peruvianus</i> Lam.	150	<b>truncatus</b> Raf. <i>U. elegans</i> Lea.
136	<b>politus</b> Say. <i>U. subrotundus</i> Lea. <i>Kirtlandianus</i> Lea.	151	<b>tuberculatus</b> Raf. <i>U. tuberculosus</i> Val. <i>verrucosus</i> Barnes. <i>U. graniferus</i> Lea (y'ng).
137	<b>quadriulus</b> Raf. <i>U. rugosus</i> Barnes. <i>lachrymosus</i> Lea. <i>asperrimus</i> Lea.	152	<b>undulatus</b> Barnes.
138	<b>rubrum</b> Raf. <i>U. coccineus</i> Hild. <i>Gouldianus</i> Ward, old. <i>catillus</i> Conr.	153	<b>verrucosus</b> Raf. <i>U. tuberculatus</i> Barnes.
139	<b>reflexus</b> Raf. <i>U. cornutus</i> Barnes.	154	<b>Anodonta cataracta</b> Say. <i>A. exilis</i> Lea. <i>salmonea</i> Lea. <i>Pepiniana</i> Lea.
140	<b>rectus</b> Lam. <i>U. latissimus</i> Raf. <i>prælongus</i> Barnes.	155	<b>Ferussaciana</b> Lea. <i>A. ferruginea</i> Lea.
141	<b>Sayi</b> Ward.	156	<b>grandis</b> Say. <i>A. plana</i> Lea. <i>decora</i> Lea (young). <i>gigantea</i> Lea.
142	<b>silliquoides</b> Barnes. <i>U. inflatus</i> Barnes (female). <i>Hydianus</i> Lea.	157	<b>imbecillis</b> Say. <i>A. incerta</i> Lea.
143	<b>stegarius</b> Raf. <i>U. irroratus</i> Lea.	158	<b>lata</b> Raf. <i>U. dehiscens</i> Say. <i>oriens</i> Lea.
144	<b>striatus</b> Raf. <i>U. Cooperianus</i> Lea.	158½	<b>Alasmodonta ambigua</b> Say. <i>U. Hildrethianus</i> Lea.
145	<b>subrostratus</b> Say. <i>U. iris</i> Lea.	159	<b>calceola</b> Lea. <i>A. deltoidea</i> Lea.
146	<b>subrotundus</b> Raf. <i>U. circulus</i> Lea. <i>lens</i> Lea.	160	<b>oomplanata</b> Barnes.
147	<b>teres</b> Raf. <i>U. anodontoides</i> Lea.	161	<b>costata</b> Raf. <i>A. rugosa</i> Barnes.
148	<b>torsus</b> Raf.	162	<b>edentula</b> Say. <i>Anodonta undulata</i> Say. <i>areolata</i> ? Swains. <i>rugosa</i> Swains. <i>Wardiana</i> Lea. <i>pavonia</i> Lea. <i>Buchanensis</i> Lea.
		163	<b>truncata</b> Say.

**Haldeman.**—Observations on the Melanians of Lamarck: by S. S. HALDEMAN. (Am. Journ. Sci. and Art, O. S., xli, No. 1, pp. 21-23. April-June, 1841.)

Page 22. Description of animal of *Melania Virginia*.

**Nicklin.**—Des MOULINS' General Considerations on restricting the number of species of the Genera Unio and Anodonta: translated from the French by PHILIP H. NICKLIN, A. M. (Same as last article, pp. 104-116.)

**H. C. Lea.**—Description of eight new species of shells native to the United States: by H. C. LEA, Philadelphia. (In the American Journal of Science, O. S., vol. xlii, No. 1, Oct.-Dec., 1841. With one plate.)

Page.	Pl.	Fig.	Name.	Locality.
106	i	1	<i>Cyrena purpurea</i> H. C. Lea.	Delaware bay.
107	i	2	<i>Modiola elliptica</i> H. C. Lea.	Delaware bay.
107	i	3	<i>pulex</i> H. C. Lea.	Delaware bay.
108	i	4	<i>Crepidula acuta</i> H. C. Lea.	Delaware bay.
109	i	5	<i>Caryohium exile</i> H. C. Lea.	Wissahiccon cr., Phila.
110	i	6	<i>Pasithea sordida</i> H. C. Lea.	Near Boston.
111	i	7	<i>Actæon parvus</i> H. C. Lea.	Delaware bay.
111	i	8	<i>Cerithium cancellatum</i> H. C. Lea.	Delaware bay.

On p. 106, the following species are quoted by name only from Delaware bay:—

<i>Actæon trifidus</i> Totten.	<i>Cerithium Greenii</i> .
<i>Cerithium terebrale</i> .	<i>Ostrea Canadensis</i> .
<i>nigrocinctum</i> .	

—On page 391 of this volume is a receipt for the preparation of fresh-water shells for the cabinet.

**Adams.**—On page 392 is a "Note on Mr. H. C. Lea's paper in the last number of this Journal:" by C. B. ADAMS.

Page 392. *Pasithea sordida* = *Actæon trifidus* Totten. (*Odostomia trifida* Gould.)

It is also said not to come from Boston; and, also, *Cerithium Sayii* is not from Boston.

**Adams.**—Catalogue of the Mollusca of Middlebury, Vermont, and vicinity; with observations: by C. B. ADAMS, Prof. Chem. and Nat. Hist. Middlebury College, Member Bost. Soc. Nat. Hist. (From Am. Journ. Sci., O. S., vol. xl, No. 2, pp. 266–277. January–March, 1841.)

[NOTE.—No descriptions are given, but very full remarks on locality, habits, &c. The paper was also published in pamphlet form, page 236 of the Journal being page 3 of the pamphlet.—W. G. B.]

Page.		Page.	
266	<i>Melania depygis</i> Say.	271	<i>Pupa badia</i> Adams.
266	<i>Paludina decisa</i> Say.	271	<i>albilabris</i> Ward's letter.
267	<i>lustrica</i> Say.		<i>Cyclostoma marginata</i> S.
267	<i>Valvata tricarinata</i> Say.	271	<i>ovata</i> Say.
267	<i>sincera</i> Say (with descr. of animal).		<i>Vertigo ovata</i> Say.
267	<i>Limnæa megasoma</i> Say.	271	<i>contracta</i> Say.
267	<i>appressa</i> Say.	271	<i>exigua</i> Say.
267	<i>gracilis</i> Jay.	271	<i>milium</i> Gould.
268	<i>pallida</i> Adams.	272	<i>Helix albolabris</i> Say.
268	<i>elodes</i> Say.	272	<i>thyroidus</i> Say.
268	<i>umbrosa</i> Say?	272	<i>palliata</i> Say.
	( <i>L. plebeia</i> Gould MSS.)	272	<i>monodon</i> Rackett.
268	<i>desidiosa</i> Say.		<i>H. fraterna</i> Say.
268	<i>caperata</i> Say.	272	<i>conca</i> Say.
268	<i>Physa ancillaria</i> Say.	272	<i>pulchella</i> Müll.
268	<i>heterostropha</i> Say.	273	<i>Sayii</i> Binney.
268	<i>gyrina</i> Say?	273	<i>tridentata</i> Say.
269	<i>elongata</i> Say.	273	<i>labyrinthica</i> Say.
269	<i>Planorbis corpulentus</i> Say.	273	<i>indentata</i> Say.
	<i>P. lentus</i> Say.	273	<i>arborea</i> Say.
269	<i>campanulatus</i> Say.	273	<i>inornata</i> Say.
269	<i>bicarinatus</i> Say.	273	<i>alternata</i> Say.
269	<i>armigerus</i> Say.	273	<i>chersina</i> Say.
269	<i>exacuous</i> Say ( <i>exacutus</i> ?)	273	<i>lineata</i> Say.
269	<i>parvus</i> Say.	273	<i>striatella</i> Anthony.
270	<i>elevatus</i> Adams.	273	<i>fuliginosa</i> Griffith.
270	<i>hirsutus</i> Gould.	273	<i>electrina</i> Gould.
270	<i>deflectus</i> Say.		<i>H. Janus</i> Ad. MSS.
270	<i>Succinea obliqua</i> Say.	274	<i>multidentata</i> Binney.
	<i>S. campestris</i> Say?	274	<i>minuscula</i> Binney.
270	<i>ovalis</i> Say.	274	<i>Vitrina pellucida</i> Drap.
270	<i>avara</i> Say.	275	<i>Ancylus parallelus</i> Hald.
	<i>S. vermeta</i> (young).	275	<i>tardus</i> Say.
270	<i>Bullimus lubricus</i> Drap.	275	(Two unknown <i>Limacæ</i> , one evidently <i>Tebennophorus Carolinensis</i> .—W. G. B.)
271	<i>Pupa armifera</i> Say.		



Page.		Page.	
276	<b>Anodonta Benedictensis</b>	276	<b>Unio compressus</b> <i>Lea.</i>
	<i>Lea.</i>	276	<b>rectus</b> <i>Lam.</i>
276	<b>cataracta</b> <i>Say.</i>	276	<b>ventricosus</b> <i>Barnes.</i>
276	<b>Wardiana</b> <i>Lea?</i>	276	<b>luteolus</b> <i>Lam.</i>
276	<b>Alasmodonta arcuata</b> <i>Barn.</i>	276	<b>complanatus</b> <i>Lea.</i>
276	<b>rugosa</b> <i>Barnes.</i>	277	<b>Cyclas elegans</b> <i>Adams.</i>
276	<b>undulata</b> <i>Say.</i>	277	<b>rhomboida</b> <i>Say.</i>
276	<b>Unio alatus</b> <i>Say.</i>	277	<b>partumeia</b> <i>Say.</i>
276	<b>gracilis</b> <i>Barnes.</i>	277	<b>calyculata</b> <i>Drap.</i>
	277		Remarks on geographical distribution of the above species.

On page 408 of the same volume, in a supplementary note to the above article, are notes of *Pupa millium* and *Helix striatella*, the last being placed in the synonymy of *Helix ruderata* *Studer.*

**Gould.**—Report on the Invertebrata of Massachusetts, comprising the Mollusca, Annelida, and Radiata. Published agreeably to an order of the Legislature, &c.: by A. A. GOULD, M. D. Cambridge, 1841.

### MOLLUSCA.

Pa. Fig.		Pa. Fig.	
3	<b>Limax togata</b> <i>Gould.</i>	6	<b>Hells Bostoniensis</b> <i>Gould.</i>
3	<b>tunicata</b> <i>Gould.</i>		<i>E. rufibranchialis</i> <i>Johnston?</i>
4	<b>Doris illuminata</b> <i>Gould.</i>	6	<b>salmonacea</b> <i>Couth.</i>
5	<b>Tritonia arborescens</b> <i>Cuv.</i>	6	<b>diversa</b> <i>Couth.</i>
	<i>Doris arborescens</i> <i>Müll.</i>	7	<b>gymnota</b> <i>Couth.</i>
	<i>Tritonia Reynoldsii</i> <i>Couth.</i>		

### CLASS CONCHIFERA.

#### Family Tubicolaria *Lam.*

26 **Teredo navalis** *Lin.*

#### Family Pholadaria *Lam.*

27 **Pholas costata** *Lin.*

*P. bifrons* *Da Costa.*

27 **crispata** *Lin.*

*latus* *Lister.*

#### Family Solenacea *Lam.*

28 **Solen ensis** *Lin.*

*S. curvus* *Lister.*

31

**Solecurtus (Cultellus) fragilis** *Pult.*

30 **Solecurtus (Cultellus) Caribæus** *Chem.*

*Solen caribæus* *Lam.*

*Solen fragilis* *Pult.*

*Solecurtus fragilis* *Conr.*

*Solen centralis* *Say.*

*Solecurtus Caribæus* *Conr.*

*Psammobia tæniata* *Turton.*

*Guineensis* *Chem.*

33 25-6 **Machæra (n. g.) nitida** *Gould.*

- Pa. Fig.  
 34 p. 24 **Machsera costata** Say.  
           *Solen costatus* Say.  
           *Solecurtus costatus* Say.  
 35 **Solemya velum** Say.  
 36 **borealis** Tott.  
           *S. velum* Conr.

- Pa. Fig.  
 37 27 **Panopsea arctica** Lam.  
           *Glycymeris arctica* Lam.  
 39 **Glycymeris siliqua** Chemn.  
           *Mya siliqua* Chemn.  
           *G. incrassata* Lam.  
           *Mya picea* Wood.

Family **Myaria.**

- 40 **Mya arenaria** Lin.  
           *M. mercenaria* Say.  
           *acuta* Say.  
 42 **truncata** Lin.

- 43 37 **Corbula contracta** Say.  
 44 **Pandora trilineata** Say.  
           *P. nasuta* Sowerby.

Family **Osteodesmacea.**

- 46 10 **Osteodesma hyalina** Conr.  
           *Mya hyalina* Conr.  
           *Lyonsia hyalina* Conr.  
 47 28 **Anatina papyracea** Say.  
           *A. papyratia?* Totten.  
           *A. fragilis* Totten.

- 49 29, **Cochloidesma Leana** Conr.  
           30 *Anatina Leana* Conr.  
 50 **Thracia Conradi** Couth.  
           *T. declivis* Conr.  
           *Anatina convexa* Hitch. Cat.

Family **Mactracea** Lam.

- 51 **Maetra solidissima** Chemn.  
           *M. gigantea* Lam.  
           *Juteola* Loven (young).  
 53 32 **ovalis** Gould.  
           *M. similis* Gray.  
           *grandis* Desh.  
 54 34-5 **lateralis** Say.  
 56 36 **Cumingia tellinoides** Conr.  
           *Maetra tellinoides* Conr.  
 57 39 **Mesodesma arcata** Conr.

- Maetra arcata* Conr.  
           *deaurata* Conr.  
           *subtriangulata* Conr.  
 58 38 **Mesodesma Jauresli** De Joan.  
 59 **Montacuta bidentata** Mont.  
           *Mya bidentata* Mont.  
 60 33 **Kellia rubra** Mont.  
           *Cardium rubrum* Mont.  
           *leve* Walker.  
           *Tellina rubra* Turton.

Family **Lithophagidæ** Lam.

- 61 40 **Saxicava distorta** Say.  
           *Mytilus rugosus* Lin.

- 63 **Petricola pholadiformis** Lam.  
           *P. fornicata* Say.  
 65 41 **dactylus** Sowb.

Family **Nymphacea** Lam.

- 66 42 **Sanguinolaria fusca** Say.  
           *Psammobia fusca* Say.  
           *Tellina inconspicua?* Sowb.  
           *Grönlandica* Beck.  
           *Balthica* Lin.  
 67 **sordida** Couth.  
           *Tellina sordida* Couth.

- 67 43 **Tellina tenta** Say.  
 68 44 **tenera** Say.  
 69 **Lucina radula** Mont.  
           *Tellina radula* Mont.  
           *Venus borealis* Donovan.  
           *Venus spuria* Dillwyn.  
           *Pectunculus subfuscus* Lister.

- |          |  |          |   |
|----------|--|----------|---|
| Pa. Fig. |  | Pa. Fig. |   |
| 70       | <b>Lucina divaricata</b> Lin.<br><i>Tellina divaricata</i> Lin.<br><i>Cardium arcuatum</i> Mont.<br><i>Pectunculus parvus</i> Lister.<br><i>Strigilla divaricata</i> Turton. | 71 52    | <b>Lucina flexuosa</b> Mont.<br><i>Tellina flexuosa</i> Mont.<br><i>Venus sinuosa</i> Donovan.<br><i>Cryptodon flexuosa</i> Turton. |

## Family Conchacea Lam.

- |       |  |       |   |
|-------|--|-------|---|
| 72 53 | <b>Cycolas similis</b> Say.<br><i>C. sulcata</i> Lam.  |       | <i>sulcata</i> Fleming.<br><i>Venus Scotica</i> Mont.   |
| 73 54 | <b>partumeia</b> Say.<br><i>C. cornea</i> Lam. (var.)  | 80 47 | <b>Astarte lactea</b> Br. & Sowb.   |
| 74 55 | <b>elegans</b> Adams.  | 81 48 | <b>quadrans</b> Gould.  |
| 75 56 | <b>dubia</b> Say.  | 82    | <b>Cyprina Islandica</b> Lin.<br><i>Pectunculus maximus</i> Lister.<br><i>crassus</i> Da Costa. |
| 76 45 | <b>Astarte castanea</b> Say.<br><i>Venus castanea</i> Say.<br><i>Crassina castanea</i> Lam.  |       | <i>Venus Islandica</i> Lin.<br><i>mercenaria</i> Pennant.<br><i>bucardium</i> Born.             |
| 78 46 | <b>suloata</b> Mont.<br><i>Venus sulcata</i> Mont.<br><i>Danmonia</i> Mont.<br><i>Danmoniensis</i> Blainv.<br><i>Crassina sulcata</i> Turton.<br><i>Danmoniensis</i> Lam.<br><i>Astarte Danmoniensis</i> Sowb. |       | <i>Cyprina vulgaris</i> Sowb.   |
|       |  | 84 49 | <b>Cytherea convexa</b> Say.  |
|       |  | 85 67 | <b>Venus mercenaria</b> Lin.  |
|       |  | 86 67 | <b>notata</b> Say.  |
|       |  | 87 50 | <b>fluctuosa</b> Gould.   |
|       |  | 88 51 | <b>gemma</b> Tott.  |

## Family Cardiacea Desh.

- |       |  |       |   |
|-------|--|-------|---|
| 89 58 | <b>Cardium Islandicum</b> Lin.<br><i>C. ciliatum</i> O. Fabr.<br><i>pubescens</i> Couth. | 92    | <b>Cardium Groenlandicum</b> Chem.<br><i>Mactra radiata</i> Donovan<br><i>C. edentulum</i> Sowb.<br><i>Aphrodite columba</i> Lea. |
| 90 57 | <b>pinnulatum</b> Conr.  | 94 59 | <b>Cardita borealis</b> Conr.<br><i>Arcturus rudis</i> Humph. MSS.  |
| 91    | <b>Mortoni</b> Conr.   |       |   |

## Family Arcacea Lam.

- |        |   |        |   |
|--------|---|--------|---|
| 95 60  | <b>Arca pexata</b> Say.   |        | <i>N. rostrata</i> Sowb.  |
| 96     | <b>transversa</b> Say.  |        | <i>tenuisulcata</i> Couth.  |
| 97 66  | <b>Nucula thracisiformis</b> Storer.  | 102 67 | <b>Nucula Jacksonii</b> Gld. (fossil Me).   |
| 98 62  | <b>limatula</b> Say.  | 103    | <b>navicularis</b> Couth.   |
| 99     | <b>myalls</b> Couth.  | 103 63 | <b>proxima</b> Say.   |
| 100 61 | <b>sapotilla</b> Gould.<br><i>N. laevigata</i> Gould, olim.                         | 105 64 | <b>tenuis</b> Mont.<br><i>Arca tenuis</i> Mont.<br><i>Nucula lucida</i> Blanding MSS. |
| 101    | <b>minuta</b> Gmelin.<br><i>Arca minuta</i> Gmelin.<br><i>Arca caudata</i> Donovan. |        |   |

## Family Naiades Lam.

Pa. Fig.		Pa. Fig.	
107 68, 69, 70	<b>Unio complanatus</b> Sol. <i>Mya complanata</i> Sol. <i>U. purpureus</i> Say. <i>purpurascens</i> Lam. <i>violaceus</i> Spengler. <i>rarisulcata</i> Lam. <i>coarctata</i> Lam. <i>rhombula</i> Lam. <i>carinifera</i> Lam. <i>Georgina</i> Lam. <i>glabrata</i> Lam. <i>sulcidens</i> Lam. <i>fluviatilis</i> Green.	113 75	<b>Alasmodon arcuata</b> Barnes. <i>Mya margaritifera?</i> Lin. <i>Margaritana margaritifera</i> Lea.
		115 76	<b>undulata</b> Say. <i>Unio undulata</i> Say. <i>Alasmodonta undulata</i> Barn. <i>Mya undulata</i> Wood. <i>Margaritana undulata</i> Lea. <i>Unio hians</i> Val. <i>Alasmodon undulata</i> Swains.
109 71	<b>nasutus</b> Say. <i>Mya nasuta</i> Wood. <i>U. rostratus</i> Valenc.	116 77	<b>marginata</b> Say. <i>Unio varicosa</i> Lam. <i>Alasmodonta truncata?</i> Say. <i>Margaritana marginata</i> Lea. <i>Mya rugulosa</i> Wood.
110 73	<b>radiatus</b> Gmel. <i>Mya radiata</i> Gmel. <i>U. Virginiana</i> Lam. <i>Mya oblongata</i> Wood.	117 80	<b>Anodon fluviatilis</b> Dillw. <i>Anodonta cataracta</i> Say. <i>Mytilus fluviatilis</i> Dillw. <i>illitus</i> Sol.
111 72	<b>cariosus</b> Say. <i>U. ovata</i> Val.	118 78	<b>implicata</b> Say. <i>Anodonta Newtoniennis?</i> Lea. <i>marginata?</i> Say (young).
112 74	<b>ochraceus</b> Say. <i>Symphynota ochracea</i> Lea.	120 79	<b>undulata</b> Say. <i>A. rugosus</i> Swainson.

## Family Mytilacea Lam.

121 82	<b>Mytilus edulis</b> Lin. <i>M. vulgaris</i> Da Costa. <i>Musculus subcaruleus</i> Lister. <i>M. borealis</i> Lam. var. <i>pellucidus</i> .		<i>Mytilus plicatulus</i> Desh. <i>Modiola semi-costata</i> Conr.
123	<b>Modiola modiolus</b> Lin. <i>Mytilus modiolus</i> Lin. <i>papuanus</i> Desh. <i>Modiola papuana</i> Lam. <i>vulgaris</i> Fleming. <i>Mytilus barbatus</i> Lin.	127 85	<b>Modiola pectinula</b> Gould.
		128 86	<b>nexa</b> Gould.
		129 83	<b>discrepans</b> Mont. <i>Mytilus discrepans</i> Mont. <i>discors</i> O. Fabr. <i>Modiola laevigata</i> Gray (var.)
		130 84	<b>discors</b> Lin. <i>Mytilus discors</i> Lin. <i>Modiola discrepans</i> Lam.
125 81	<b>plicatula</b> Lam. <i>Mytilus demissus</i> Dillw.	131 87	<b>glandula</b> Tott.

## Family Pectenides Lam.

132	<b>Pecten magellanicus</b> Gmel. <i>Ostrea magellanicus</i> Gmel.		<i>Ostrea cinnabarina</i> Born. <i>P. Pealeii</i> Conr.
133 89	<b>Islandicus</b> Müll. <i>Ostrea Islandica</i> Müll.	134 88	<b>Pecten concentricus</b> Say.

## Family Ostracea Lam.

Pa. Fig.		Pa. Fig.	
136	<b>Ostrea Virginiana</b> Lister. <i>O. Virginica</i> Gmel. <i>rostrata maxima</i> Chemn. <i>longata</i> Sol. <i>Canadensis</i> Lam.		<i>O. edulis</i> Lfu.
137	<b>borealis</b> Lam. <i>O. Canadensis</i> Brug.	138	<b>Anomia ephippium</b> Lin. <i>Ostreum parvum</i> Lister.
		139 90	<b>aculeata</b> Gmel.
		140	<b>electrica</b> Lin.
		140	<b>squamula</b> Lin.

## Family Brachiopoda Lam.

141	<b>Terebratula caput-serpentis</b> Lin. <i>Anomia caput-serpentis</i> Lin. <i>pubescens</i> Dillw.		<i>T. pubescens</i> Desh. <i>septentrionalis</i> Couth.
		142 91	<b>Terebratula patitacea</b> Gmel.

## CLASS GASTEROPODA CUVIER.

## Family Phyllidiana Lam.

146 20	<b>Chiton apiculatus</b> Say. <i>C. pectinatus</i> Gould, olim.		<i>Patella testudinaria</i> Kaemm. <i>tessellata</i> Müll.
147 22	<b>marginatus</b> Penn. <i>C. cinereus</i> Lowe.		<i>Clealandi</i> Sowb. <i>virginea</i> Müll. <i>virginea</i> ? Gmel. <i>amena</i> Say.
148 23	<b>fulminatus</b> Couth.		<i>Patelloidea amena</i> Couth.
149 24	<b>ruber</b> Lowe.		<i>Patelloida testudinalis</i> Lea.
150 21	<b>albus</b> Mont. <i>C. aselloides</i> Lowe. <i>sagrinatus</i> Couth.		<i>Patella clypeus</i> Brown. <i>L. Antillarum</i> Sowb.
151 19	<b>Emersonianus</b> Couth.		
152	<b>Patella candida</b> Couth.	154 13	<b>Lottia alveus</b> Conr. <i>Patella alveus</i> Conr. <i>Patelloidea alveus</i> Couth.
153 12	<b>Lottia testudinalis</b> Müll. <i>Patella testudinalis</i> Müll.		

## Family Cirrobranchiata Blainv.

155 5	<b>Dentalium dentale</b> Lin. <i>D. striatum</i> Mont.		<i>D. attenuatum</i> Say.
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## Family Calyptracea Lam.

156 18	<b>Cemoria Noachina</b> Lin. <i>Patella Noachina</i> Lin. <i>apertura</i> Mont. <i>fissurella</i> Müll. <i>Fisurrella Noachina</i> Lyell. <i>Puncturella Noachina</i> Lowe. <i>C. Flemingii</i> Leach.		<i>Sipho striata</i> Brown.
		158 17	<b>Crepidula fornicata</b> Lin. <i>Patella fornicata</i> Lin.
		159 16	<b>plana</b> Say.
		160 15	<b>convexa</b> Say. <i>C. unguiformis</i> Lam. ?
		161 14	<b>glauca</b> Say.

Family *Bulleana* Lam.

Pa. Fig.		Pa. Fig.	
162 92	<i>Bulla insculpta</i> Totten. <i>B. solitaria?</i> Say.	166 97	<i>Bulla canaliculata</i> Say. <i>Volvaria canaliculata</i> Say. <i>Bullina canaliculata</i> Say.
163 100	<i>hiemalis</i> Couth.	167 96	<i>obstricta</i> Gould.
163 94	<i>Gouldii</i> Couth.	168 93	<i>oryza</i> Tott.
164 95	<i>debilis</i> Gould.	169 99	<i>lineolata</i> Couth.
165 98	<i>triticea</i> Couth.		

Family *Colimacea* Lam.

170 101	<i>Helix albolabris</i> Say. <i>Cochlea Virginiana</i> Lister.	185 105	<i>Helix chersina</i> Say.
171 108	<i>thyroidus</i> Say. <i>Cochlea umbilicata</i> Lister. <i>terrestris Virginiana</i> Schroet.	186 117	<i>Pupa contracta</i> Say.
	<i>Mesodon leucodon</i> Raf.	187 118	<i>millium</i> Gould.
172	<i>hortensis</i> Müll. <i>H. subglobosa</i> Binney.	188 119	<i>modesta</i> Say.
173 115	<i>tridentata</i> Say.	189 120	<i>curvidens</i> Gould.
174 113	<i>monodon</i> Rack.	190 121	<i>simplex</i> Gould.
175 116	<i>hirsuta</i> Say. <i>H. fraterna</i> Wood. <i>Stenotrema convexa</i> Raf.	191 122	<i>exigua</i> Say.
176 102	<i>pulohella</i> Müll. <i>Turbo helycinus</i> Lightfoot. <i>H. paludosa</i> Mont., &c. &c. <i>minuta</i> Say.	192 123	<i>fallax</i> Say. <i>Cyclostoma marginata</i> Say. <i>P. fallax?</i> Say. <i>placida?</i> Say.
177 114	<i>alternata</i> Say. <i>H. scabra</i> Lam. <i>radiata</i> Gmel.	193 124	<i>Bullimus lubricus</i> Müll. <i>Helix lubrica</i> Müll. <i>Cionella lubrica</i> Jeffr. <i>Achatina lubrica</i> Michaud. <i>Turbo glaber</i> Da Costa. <i>Cochlicopa lubrica</i> Ferrussac. <i>Zua lubrica</i> Leach.
178 112	<i>striatella</i> Anthony.	194 125	<i>Succinea ovalis</i> Say.
179 103	<i>lineata</i> Say. <i>Planorbis parallelus?</i> Say.	195 126	<i>campestris</i> Say.
180 104	<i>cellaria</i> Müll. <i>H. nitida</i> Draparnaud. <i>nitens</i> Maton & Rackett. <i>glaphyra</i> Say. <i>Zonites cellarius</i> Gray. <i>lucida</i> Leach.	196 127	<i>avara</i> Say. <i>S. vermeta</i> Say.
181 109	<i>indentata</i> Say.	197 130	<i>Auricula bidentata</i> Say. <i>Melampus bidentatus</i> Say. <i>A. cornea</i> Desh.
182 110	<i>arborea</i> Say.	199 129	<i>denticulata</i> Mont. <i>Voluta denticulata</i> Mont. <i>Actæon denticulatus</i> Fleming. <i>Jaminea denticulata</i> Leach. <i>Conovulus denticulatus</i> Gray. <i>A. myosotis</i> Jeffr. <i>Carychium personatum</i> Mich. <i>A. personata</i> Desh.
183 111	<i>electrina</i> Gould.		
184 106	<i>labyrinthica</i> Say.		

Family *Limnæana* Lam.

- | Pa. Fig. |  | Pa. Fig.  |   |
|----------|--|-----------|---|
| 201 131  | <b>Planorbis trivolvis</b> Say.<br><i>Cochlea trium orbium</i> Lister.<br><i>P. corpulentus</i> Say. |           | <i>Cochlea neritoides</i> Lister.<br><i>Bulla fontinalis</i> Gmel. (var.)<br><i>crassula</i> Dillw.<br><i>Limnea heterostropha</i> Say. |
| 202 132  | <b>lentus</b> Say.   | 213 142   | <b>Physa ancillaria</b> Say.  |
| 203 134  | <b>bicarinatus</b> Say.<br><i>Helix angulatus</i> Rackett.   | 214 143   | <b>elongata</b> Say.  |
| 204 133  | <b>campanulatus</b> Say.   | 215 144   | <b>Limnæa columella</b> Say.<br><i>Lymnæus navicula</i> Val.  |
| 205 138  | <b>armigerus</b> Say.  | 216 145   | (var.) <b>chalybea</b> Gould.   |
| 206 135  | <b>hirsutus</b> Gould.   | 217 148   | <b>macrostoma</b> Say.<br><i>Limnea acuminata</i> Adams.  |
| 207      | <b>elevatus</b> Adams.   | 218 149   | <b>umbilicata</b> Adams.  |
| 207 136  | <b>deflectus</b> Say.<br><i>P. virens</i> Adams (var.)   | 218 151   | <b>modicellus</b> Say.  |
| 208 137  | <b>exacutus</b> Say.<br><i>P. ezacuus</i> Say.   | 219 150   | <b>desidiosa</b> Say.   |
| 209 139  | <b>parvus</b> Say.   | 221 148-7 | <b>elodes</b> Say.  |
| 210 140  | <b>dilatatus</b> Gould.<br><i>P. lens?</i> Lea.  | 223       | <b>catascopium</b> Say.<br><i>Lymneus cornea</i> Val.   |
| 211 141  | <b>Physa heterostropha</b> Say.<br><i>Bulla fontinalis</i> Indix Orientalis Chemn.                   | 224 153   | <b>Ancylus rivularis</b> Say.   |
|          |  | 224 152   | <b>fuscus</b> Adams.  |

Family *Peristomata* Lam.

- |         |  |            |  |
|---------|--|------------|--|
| 225 156 | <b>Valvata tricarinata</b> Say.<br><i>Cyclostoma tricarinata</i> Say.<br><i>V. carinata</i> Sowb.<br>(var.) <b>simplex</b> . | 227 p. 144 | <b>Paludina decisa</b> Say.<br><i>P. limosa</i> Val.       |
| 226 155 | <b>pupoidea</b> Gould.   | 229 157    | <b>Amnicola porata</b> Say.<br><i>Puludina porata</i> Say. |

Family *Neritacea* Lam.

- |         |                            |         |  |
|---------|----------------------------|---------|--|
| 231 163 | <b>Natica heros</b> Say.   | 238 167 | <b>Natica clausa</b> Br. & Sowb.<br><i>N. consolidata</i> Couth.<br><i>borealis</i> Beck.    |
| 233 165 | <b>triseriata</b> Say.     | 239 162 | <b>flava</b> Gould.  |
| 234 168 | <b>immaculata</b> Tott.    | 240     | <b>Janthina fragilis</b> Lin.<br><i>Helix janthina</i> Lin.<br><i>Janthina communis</i> Lam. |
| 235 161 | <b>canaliculata</b> Gould. |         |  |
| 236 164 | <b>duplicata</b> Say.      |         |  |
| 237 166 | <b>pusilla</b> Say.        |         |  |

Family *Macrostromata* Lam.

- |         |   |         |  |
|---------|---|---------|--|
| 241 159 | <b>Velutina lævigata</b> Lin.<br><i>Helix lævigata</i> Lin.<br><i>halioidea</i> Fabr.<br><i>Bulla velutina</i> Müll.<br><i>V. capuloidea</i> Blainv.<br><i>rupicola</i> Conr. |         | <i>Galericulum lævigatum</i> Brown.  |
|         |   | 242 160 | <b>Velutina zonata</b> Gould.  |
|         |   | 244 158 | <b>Sigaretus halioideus</b> Lam.<br><i>Helix halioidea</i> Lin.<br><i>Bulla halioidea</i> Mont.<br><i>Orynoe glabra</i> Couth. |

## Family Plicacea Lam.

Pa. Fig.

Pa. Fig.

245 188 *Tornatella punoto-striata* Adams.

## Family Scalariana Lam.

- |  |   |
|--|---|
| <p>246 <i>Vermetus lumbricallis</i> Lin.<br/><i>Vermicularia lumbricallis</i> Lam.<br/><i>Vermetus lumbricallis</i> Lam.<br/><i>Serpula lumbricallis</i> Lin.</p> <p>247 189 <i>Skenea serpuloides</i> Montagu.<br/><i>Helix serpuloides</i> Mont.<br/><i>Turbo serpuloides</i> Turton.<br/><i>Delphinula?</i> <i>serpuloides</i> Ad.<br/><i>Delphinoidea serpuloides</i> Brown.</p> | <p>248 <i>Scalaria Nov-Angliæ</i> Couth.<br/>249 170* <i>Groenlandica</i> Chemn.<br/><i>Turbo clathrus Grænlandicus</i><br/>Chemn.<br/><i>S. planicosta</i> Kiener.<br/><i>subulata</i> Couth.<br/>250 <i>lineata</i> Say.<br/>251 <i>multistriata</i> Say.</p> |
|--|---|

## Family Turbinacea Lam.

- |  |  |
|--|--|
| <p>252 <i>Margarita cinerea</i> Couth.<br/><i>Turbo cinereus</i> Couth.<br/><i>Trochus costalis</i> Loven.</p> <p>253 171* <i>obscura</i> Couth.<br/><i>Turbo obscurus</i> Couth.</p> <p>254 172* <i>undulata</i> Sowb.<br/><i>Turbo incarnatus</i> Couth.</p> <p>255 173* <i>arctica</i> Leach.<br/><i>M. helicoides</i> Beek MSS.<br/><i>Turbo inflatus</i> Totten.<br/><i>Paludina inflata</i> Menke.</p> <p>256 174* <i>argentata</i> Gould.</p> <p>257 175* <i>Littorina rudis</i> Don.<br/><i>Turbo rudis</i> Don.<br/><i>obligatus</i> Say.</p> <p>259 176* <i>tenebrosus</i> Mont.<br/><i>Turbo tenebrosus</i> Mont.<br/><i>vestitus</i> Say.</p> <p>260 177* <i>palliata</i> Say.<br/><i>Turbo palliatus</i> Say.<br/><i>neritoides?</i> Lin.</p> <p>262 178* <i>Lacuna vinota</i> Mont.<br/><i>Turbo vinctus</i> Mont.</p> | <p><i>quadrifasciatus</i> Flem.<br/><i>L. pertusa</i> Conr.<br/>(var.) <i>fusca</i>.</p> <p>263 170 <i>Lacuna neritoidea</i> Gould.</p> <p>265 171 <i>Cingula minuta</i> Tott.</p> <p>266 172 <i>aculeus</i> Gould.</p> <p>267 <i>Turritella erosa</i> Couth.</p> <p>268 173 <i>interrupta</i> Tott.</p> <p>269 174 <i>Pyramis striatula</i> Couth.</p> <p>270 175 <i>Ocostomia producta</i> Adams.<br/><i>Jaminia producta</i> Adams.</p> <p>270 176 <i>fusca</i> Adams.<br/><i>Pyramis fusca</i> Adams.<br/><i>Jaminia fusca</i> Adams.</p> <p>272 177 <i>exigua</i> Couth.<br/><i>Jaminia exigua</i> Couth.<br/><i>Rissoa rupestris</i> Forbes.<br/><i>Turritella bisuturalis?</i> Say.</p> <p>273 178 <i>seminuda</i> Adams.<br/><i>Jaminia seminuda</i> Adams.</p> <p>274 179 <i>trifida</i> Tott.<br/><i>Actæon trifidus</i> Tott.</p> |
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## Family Canalifera Lam.

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|--|---|
| <p>275 180 <i>Cerithium Emersonii</i> Adams.</p> <p>276 181 <i>terebrale</i> Adams.</p> <p>277 182 <i>nigrocinotum</i> Adams.</p> <p>278 183 <i>Sayi</i> Menke.<br/><i>C. reticulatum</i> Tott.<br/><i>Pasithea nigra</i> Tott. (young).</p> | <p>279 184 <i>Greenii</i> Adams.</p> <p>280 185 <i>Pleurotoma decussata</i> Couth.</p> <p>281 186 <i>bicarinata</i> Couth.</p> <p>282 187 <i>plicata</i> Adams.</p> <p>283 190 <i>Cancellaria Couthouyi</i> Jay.<br/><i>C. buccinoides</i> Couth.</p> |
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|---|--|
| <p>Pa. Fig.<br/>284 <b>Fusus Islandicus</b> Gmel.<br/><i>Murex corneus</i> Pennant.<br/><i>Islandicus</i> Gmel.<br/><i>F. corneus</i> Say.<br/><i>Buccinum gracile</i> Da Costa.<br/><i>angustus</i> Lister.</p> <p>284 199 (var.) <i>pygmaeus</i>.<br/>285 200 <b>ventricosus</b> Gmel.<br/><i>F. Islandicus</i> Kiener (var.)<br/><i>corneus</i> Brown (var.)<br/><i>striatus</i> Coll. Par.</p> <p>286 201 <b>tornatus</b> Gould.<br/>287 202 <b>decemcostatus</b> Say.<br/><i>F. carinatus</i> Kiener.</p> <p>288 203 <b>scalariformis</b> Gould.<br/>289 198 <b>Bamffius</b> Don.<br/><i>Murex Bamffius</i> Don.</p> | <p>Pa. Fig.<br/>290 192 <b>Fusus rufus</b> Montagu.<br/><i>Murex rufus</i> Mont.<br/><i>F. pleurotomarius</i> Couth.</p> <p>291 191 <b>harpularius</b> Couth.<br/>292 193 <b>turricula</b> Montagu.<br/><i>Murex turricula</i> Montagu.<br/><i>angulatus</i> Don.</p> <p>293 <b>muricatus</b> Montagu.<br/><i>Murex muricatus</i> Mont.</p> <p>294 206 <b>Pyrula canaliculata</b> Lin.<br/><i>Murex canaliculatus</i> Lin.<br/><i>P. spirata</i> Kiener.</p> <p>296 <b>carica</b> Gmel.<br/><i>Murex carica</i> Gmel.</p> <p>297 204 <b>Ranella caudata</b> Say.</p> |
|---|--|
- Family Alata Lam.**
- 298 205 **Rostellaria occidentalis** Beck.
- Family Pupurifera Lam.**
- |   |  |
|---|--|
| <p>300 207 <b>Trichotropis borealis</b> Sowb.<br/><i>T. costellatus</i> Couth.</p> <p>301 <b>Purpura lapillus</b> Lin.<br/><i>P. imbricata</i> Lam.<br/><i>bizonalis</i> Lam.<br/><i>Buccinum lapillus</i> Lin.<br/><i>Tritonium lapillus</i> Müll.<br/><i>Purpuro-Buccinum</i> Da Costa.</p> <p>303 213 <b>Buccinum plicosum</b> Menke.<br/><i>Fusus cinereus</i> Say.</p> <p>304 208 <b>Donovani</b> Gray.<br/><i>B. glaciale</i> Don.</p> <p>305 <b>undatum</b> Lin.<br/><i>B. crassum rufescens</i> Lister.<br/><i>vulgare</i> Da Costa.<br/><i>Tritonium undatum</i> Müll.</p> | <p><i>B. striatum</i> Pennant.</p> <p>307 209 <b>Buccinum ciliatum</b> O. Fabr.<br/><i>Tritonium ciliatum</i> O. Fabr.<br/><i>B. ventricosum</i> Kiener.</p> <p>308 210 <b>obsoletum</b> Say.<br/><i>Nassa obsoleta</i> Say.<br/><i>B. Nov-Eboracensis</i> Wood.<br/><i>oliviforme</i> Kiener.</p> <p>309 211 <b>trivittatum</b> Say.<br/><i>Nassa trivittata</i> Say.</p> <p>310 212 <b>vibex</b> Say.<br/><i>Nassa vibex</i> Say.</p> <p>311 195 <b>rosaceum</b> Gould.<br/>312 196 <b>lunatum</b> Say.<br/><i>Nassa lunata</i> Say.</p> |
|---|--|
- Family Columellaria Lam.**
- 313 197 **Columbella avara** Say.
- CLASS CEPHALOPODA CUVIER.**
- |   |   |
|---|---|
| <p>317 <b>Spirula Peronii</b> Lam.<br/><i>Nautilus spirula</i> Lin.</p> | <p>318 <b>Loligo illecebrosa</b> Lesueur.</p> |
|---|---|
- CLASS TUNICATA CUVIER.**
- |  |  |
|--|--|
| <p>319 <b>Ascidia rustica</b> Lin.</p> <p>319 <b>Boltenia reniformis</b> Mac Leay.</p> | <p><i>Ascidia globifera</i> Sabine.<br/><i>clavata</i> Fabr.</p> <p>320 <b>Botryllus stellatus</b> Pallas.</p> |
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**Adams.**—Description of a new Species of Thracia: by C. B. Adams, Prof. Chem. and Nat. History in Middlebury College. (From American Journal of Science, O. S., vol. xliii, No. 1. April–June, 1842.)

Page.	Name.	Locality.
145	<i>Thracia inequalis Adams.</i> (With three wood-cuts.)	Gulf of Mexico.

**Adams.**—Fresh-Water and Land Shells of Vermont: by C. B. ADAMS, A. M., Prof. Nat. Hist. in Middlebury College. (From Thomson's History of Vermont, Part I. Also published in pamphlet form, 1842.)

[With full descriptions of genera and species, and wood-cuts of some species.]

Page Hist. Pam.		Page Hist. Pam.	
151 1	<i>Paludina decisa Say, fig.</i>	156 6	<i>Planorbis deflectus Say.</i>
152 2	<i>integra Say.</i>	156 6	<i>hirsutus Gould.</i>
152 2	<i>porata Say.</i>	156 6	<i>Succinea obliqua Say, fig.</i>
152 2	<i>lustrica Say.</i>	156 6	<i>ovalis Say.</i>
152 2	<i>Valvata sincera Say.</i>	156 6	<i>avara Say.</i>
152 2	<i>Melania depygis Say, fig.</i>		<i>S. vermata Say.</i>
153 3	<i>Limnæa megasoma Say,</i>	157 7	<i>Bulimus lubricus Dr.</i>
153 3	<i>appressa Say. [fig.</i>	157 7	<i>Pupa milium Gould.</i>
153 3	<i>gracilis Jay.</i>	157 7	<i>ovata Say.</i>
153 3	<i>pallida Adams.</i>	157 7	<i>badia Adams.</i>
153 3	<i>elodes Say.</i>	157 7	<i>armifera Say.</i>
154 4	<i>desidiosa Say.</i>	158 8	<i>albilabris Ward, ined.</i>
154 4	<i>caperata Say.</i>		<i>Cyclostoma marginata B.</i>
154 4	<i>Physa ancillaria Say.</i>	158 8	<i>contracta Say.</i>
154 4	<i>heterostropha Say, fig.</i>	158 8	<i>Tappaniana Ward, ined.</i>
154 4	<i>gyrina Say.</i>	158 8	<i>exigua Say, fig.</i>
154 4	<i>hypnorum Dr.</i>	159 9	<i>Helix albolabris Say, fig.</i>
	<i>P. elongata Say.</i>	159 9	<i>thyroidus Say.</i>
155 5	<i>Planorbis trivolvis Say,</i>	159 9	<i>dentifera Binn.</i>
	<i>P. lentus Say. [fig.</i>	159 9	<i>palliatæ Say.</i>
	<i>corpulentus Say.</i>	159 9	<i>monodon Rack.</i>
155 5	<i>campanulatus Say.</i>		<i>H. fraterna Say.</i>
155 5	<i>bioarinatus Say.</i>	159 9	<i>concava Say.</i>
155 5	<i>armigerus Say.</i>		(incl. <i>H. Vancouverensis</i> Lea.)
155 5	<i>exacutus Say.</i>		
156 6	<i>parvus Say.</i>		

Page Hist. Pam.		Page Hist. Pam.	
159 9	<i>Helix pulchella</i> Müll. <i>H. minuta</i> Say	164 14	<i>Anodonta fluviatilis</i> Dillw.
160 10	Sayll Binn. <i>H. diodonta</i> Say.	165 15	<i>undulata</i> Say.
160 10	<i>tridentata</i> Say.	165 15	<i>Alasmodonta arcuata</i> Barnes, fig.
160 10	<i>labyrinthica</i> Say.	165 15	<i>rugosa</i> Barnes.
160 10	<i>indentata</i> Say.	165 15	<i>undulata</i> Say.
160 10	<i>arborea</i> Say.	166 16	<i>Unio alatus</i> Say, fig. on p. 14.
161 11	<i>electrina</i> Gould.	166 16	<i>gracilis</i> Barnes.
161 11	<i>inornata</i> Say.	166 16	<i>compressus</i> Lea. var. <i>plebeius</i> Adams.
161 11	<i>fuliginosa</i> Griff. <i>H. lucubrata</i> Say.	167 17	<i>complanatus</i> Lam.
161 11	<i>multidentata</i> Binn.	167 17	<i>siliquoides</i> Barnes.
161 11	<i>minuscula</i> Binn.	167 17	<i>ventricosus</i> Barnes.
161 11	<i>lineata</i> Say.	167 17	<i>rectus</i> Lam.
162 12	<i>striatella</i> Anth.	168 18	<i>Cycolas elegans</i> Adams, fig.
162 12	<i>alternata</i> Say, fig.	168 18	<i>similis</i> Say.
162 12	<i>chersina</i> Say.	168 18	<i>rhomboidea</i> Say.
162 12	<i>Vitrina pellucida</i> Dr.	168 18	<i>partumela</i> Say.
163 13	<i>Limax campestris</i> Binn.	168 18	<i>calyculata</i> Dr.
163 13	<i>Tebennophorus Carolin-</i> <i>ensis</i> Bosc.	169 19	<i>minor</i> Adams.
163 13	<i>Philomyos dorsalis</i> Binn.	Notes on—	
164 14	<i>Ancylus parallelus</i> Hald.	169 19	<i>Limnæa expansa</i> Hald.
164 14	<i>tardus</i> Say.	169 19	<i>Auricula bidentata</i> Say (not in Vermont).
164 14	<i>Anodonta Benedictensis</i> Lea, fig. on p. 16.	169 19	<i>Amnicola porata</i> .
164 14	<i>marginata</i> Say.	169 19	<i>lustrica</i> .
		169 19.	<i>pallida</i> Hald.

**Prescott.**—Catalogue of the Marine, Fluvial, and Terrestrial Shells of Massachusetts: by WILLIAM PRESCOTT, M. D. Lynn, May 8, 1842. [No descriptions.]

No.		No.	
22	<i>Teredo navalis</i> Lin.	29	<i>Machaera costatus</i> Gould. <i>Solecurtus costatus</i> Say
23	<i>Pholas costata</i> Lin.	30	<i>Solemya borealis</i> Tott.
24	<i>crispata</i> Lin.	31	<i>velum</i> Say.
25	<i>Solen ensis</i> Lin.	32	<i>Panopæa arctica</i> Gould. <i>Glycymeris arctica</i> Lam.
26	<i>viridis</i> Say.	33	<i>Glycymeris siliqua</i> Lam.
27	<i>Solecurtus caribæus</i> Conr. <i>Solen caribæus</i> Lam.	34	<i>Mya arenaria</i> Lin. <i>M. mercenaria</i> Say.
28	<i>fragilis</i> Conr. <i>Solen fragilis</i> Pultney. <i>centralis</i> Say.	35	<i>truncata</i> Lin.

- | No. |  | No. |   |
|-----|--|-----|---|
| 36  | <i>Corbula contracta</i> Say.  | 67  | <i>Astarte quadrans</i> Gould.  |
| 37  | <i>Pandora trilineata</i> Say.<br><i>P. nasuta</i> Sowb.                 | 68  | <i>suloata</i> Fleming.<br><i>Venus sulcata</i> Mont.<br><i>Crassina sulcata</i> Lam.<br><i>A. danmoniensis</i> Sowb. |
| 38  | <i>Osteodesma hyalina</i> Couth.<br><i>Mya hyalina</i> Conr.             | 69  | <i>Cyprina Islandica</i> Lam.<br><i>Venus Islandica</i> Lin.  |
| 39  | <i>Anatina papyratia</i> Say.  | 70  | <i>Cytherea convexa</i> Say.  |
| 40  | <i>Cochloidesma Leana</i> Couth.<br><i>Anatina Leana</i> Conr.           | 71  | <i>Venus mercenaria</i> Lin.  |
| 41  | <i>Thracia Conradi</i> Couth.<br><i>T. declivis</i> Conr.                | 72  | <i>notata</i> Say.  |
| 42  | <i>Maetra solidissima</i> Chemn.<br><i>M. gigantea</i> Lam.              | 73  | <i>præparoa</i> Say (var.)  |
| 43  | <i>ovalis</i> Gould.<br><i>M. similis</i> Gray.                          | 74  | <i>fluctuosa</i> Gould.   |
| 44  | <i>lateralis</i> Say.  | 75  | <i>gemma</i> Totten.  |
| 45  | <i>Cumingia tellinoides</i> Conr.<br><i>Maetra tellinoides</i> Conr.     | 76  | <i>Cardium Groenlandicum</i>  |
| 46  | <i>Mesodesma arcata</i> Gould.<br><i>Maetra arcata</i> Conr.             | 77  | <i>Islandicum</i> Lin. [ <i>Chemn.</i><br><i>C. pubescens</i> Couth.  |
| 47  | <i>Jaressii</i> De Joannis.  | 78  | <i>Mortoni</i> Conr.  |
| 48  | <i>Montacuta bidentata</i> Gould.  | 79  | <i>pinnulatum</i> Conr.   |
| 49  | <i>Kellia rubra</i> Turton.  | 80  | <i>Cardita borealis</i> Conr.   |
| 50  | <i>Saxioava distorta</i> Say.  | 81  | <i>Arca pexata</i> Say.   |
| 51  | <i>Petricola pholadiformis</i><br><i>P. fornicata</i> Say. [ <i>Lam.</i> | 82  | <i>transversa</i> Say.  |
| 52  | <i>dactylus</i> Sowb.  | 83  | <i>Nucula limatula</i> Say.   |
| 53  | <i>Sanguinolaria fusca</i> Conr.<br><i>Psammobia fusca</i> Say.          | 84  | <i>minuta</i> Turton.<br><i>N. tenuisulcata</i> Couth.  |
| 54  | <i>sordida</i> Gould.<br><i>Tellina sordida</i> Couth.                   | 85  | <i>myalis</i> Couth.  |
| 55  | <i>Tellina tenera</i> Say.   | 86  | <i>navicularis</i> Couth.   |
| 56  | <i>tenta</i> Say.  | 87  | <i>proxima</i> Say.   |
| 57  | <i>calcaria</i> ?  | 88  | <i>sapotilla</i> Gould.   |
| 58  | <i>Lucina radula</i> Gould.<br><i>Tellina radula</i> Mont.               | 89  | <i>tenuis</i> Turton.   |
| 59  | <i>divaricata</i> Lam.   | 90  | <i>thraciæformis</i> Storer.  |
| 60  | <i>flexuosa</i> Gould.<br><i>Cryptodon flexuosa</i> Turt.                | 91  | <i>Unio complanatus</i> Lea.<br><i>U. purpureus</i> Say.  |
| 61  | <i>Cycolas dubia</i> Say.  | 92  | <i>cariosus</i> Say.  |
| 62  | <i>elegans</i> Adams.  | 93  | <i>ochraceus</i> Say.   |
| 63  | <i>partumeia</i> Say.  | 94  | <i>Alasmodon arcuata</i> Barnes.  |
| 64  | <i>similis</i> Say.  | 95  | <i>marginata</i> Say.   |
| 65  | <i>Astarte castanea</i> Say.<br><i>Crassina castanea</i> Lam.            | 96  | <i>undulata</i> Barnes.<br><i>Unio undulata</i> Say.  |
| 66  | <i>lactea</i> Brod., Sowb.   | 97  | <i>Anodon fluviatilis</i> Lea.<br><i>A. cataracta</i> Say.  |
|     |  | 98  | <i>implicata</i> Say.   |
|     |  | 99  | <i>undulata</i> Say.  |
|     |  | 100 | <i>Mytilus edulis</i> Lin.  |
|     |  | 101 | var. <i>pellucidus</i> Pennant.   |
|     |  | 102 | <i>Modiola barbata</i> Lam.   |

No.		No.	
103	<b>Modiola discors</b> Fleming.	139	<b>Bulla hiemalis</b> Couth.
104	<b>discrepans</b> Gould. <i>Mytilus discrepans</i> Mont.	140	<b>insculpta</b> Totten.
105	<b>glandula</b> Totten.	141	<b>lineolata</b> Couth.
106	<b>modiolus</b> Turton. <i>M. papuana</i> Lam.	142	<b>obstricta</b> Gould.
107	<b>nexa</b> Gould.	143	<b>oryza</b> Totten.
108	<b>pectinula</b> Gould.	144	<b>triticea</b> Couth.
109	<b>plicatula</b> Lam.	145	<b>Helix albolabris</b> Say.
110	<b>Pecten concentrica</b> Say.	146	<b>alternata</b> Say. <i>H. scabra</i> Lam.
111	<b>Islandicus</b> Chemn. <i>P. Pealeii</i> Conr.	147	<b>arborea</b> Say.
112	<b>Magellanicus</b> Lam.	148	<b>cellaria</b> Muller.
113	<b>Ostrea borealis</b> Lam. <i>O. edulis</i> Lin.	149	<b>ohersina</b> Say.
114	<b>Virginiana</b> Lister.	150	<b>electrina</b> Gould.
115	<b>Anomia aculeata</b> Gmelin.	151	<b>hortensis</b> Muller.
116	<b>squamula</b> ? Lin.	152	<b>var. subglobosa</b> Binn.
117	<b>ephippium</b> Lin.	153	<b>lineata</b> Say.
118	<b>Terebratula caput-serpentis</b> Lam. <i>T. septentrionalis</i> Couth.	154	<b>indentata</b> Say.
119	<b>psittacea</b> Gmelin.	155	<b>labyrinthica</b> Say.
120	<b>Chiton albus</b> Mont. <i>C. sagrinatus</i> Couth.	156	<b>monodon</b> Rackett. <i>H. fraterna</i> Say.
121	<b>apiculatus</b> Say.	157	<b>hirsuta</b> Say. <i>H. fraterna</i> Wood.
122	<b>Emersonianus</b> Couth.	158	<b>pulchella</b> Muller. <i>H. minuta</i> Say.
123	<b>fulminatus</b> Couth.	159	<b>striatella</b> Anthony.
124	<b>marginatus</b> Pennant.	160	<b>thyroidus</b> Say.
125	<b>ruber</b> Lowe.	161	<b>tridentata</b> Say.
126	<b>Patella candida</b> Couth.	162	<b>Pupa contracta</b> Say.
127	<b>Lottia alveus</b> Gould.	163	<b>curvidens</b> Gould.
128	<b>testudinalis</b> Gould. <i>Patella amœna</i> Say.	164	<b>exigua</b> Say.
129	One species not identified.	165	<b>fallax</b> Say.
130	<b>Dentalium dentale</b> Lin.	166	<b>millium</b> Gould.
131	<b>Cemoria Noachina</b> Gould. <i>Patella Noachina</i> Lin.	167	<b>modesta</b> Say.
132	<b>Crepidula convexa</b> Say. <i>fornicata</i> Lam.	168	<b>simplex</b> Gould.
133	<b>glauca</b> Say.	169	<b>Tappaniana</b> Ward.
134	<b>plana</b> Say.	170	<b>Bulimus lubricus</b> Brug.
136	<b>Bulla canaliculata</b> Gould.	171	<b>Succinea avara</b> Say.
137	<b>debilis</b> Gould.	172	<b>campestris</b> Say.
138	<b>Gouldii</b> Couth.	173	<b>ovalis</b> Say.
		174	<b>Auricula bidentata</b> Gould. <i>Melampus bidentatus</i> Say
		175	<b>denticulata</b> Gould.
		176	<b>Planorbis armigerus</b> Say.
		177	<b>bicarinatus</b> Say.
		178	<b>campanulatus</b> Say.

No.		No.	
179	<b>Planorbis deflectus</b> Say.	219	<b>Vermetus lumbricallis</b> Lam.
180	<b>dilatatus</b> Gould.	220	<b>Skenea serpuloides</b> Flem. <i>Delphinula serpuloides</i> Ad.
181	<b>elevatus</b> Adams.	221	<b>Scalaria Gronlandica</b> Gld. <i>S. subulata</i> Couth.
182	<b>exacutus</b> Say.	222	<b>lineata</b> Say.
183	<b>hirsutus</b> Gould.	223	<b>multistriata</b> Say.
184	<b>lentus</b> Say.	224	<b>Nov-Angliæ</b> Couth.
185	<b>parvus</b> Say.	225	<b>Margarita cinerea</b> Gould. <i>Turbo cinereus</i> Couth.
186	<b>trivialis</b> Say.	226	<b>argentea</b> Gould.
187	<b>virens</b> .	227	<b>arctica</b> Leach. <i>Turbo inflatus</i> Totten.
188	<b>Physa ancillaria</b> Say.	228	<b>obscura</b> Gould. <i>Turbo obscurus</i> Couth.
189	<b>elongata</b> Say.	229	<b>undulata</b> Sowb. <i>Turbo incarnatus</i> Couth.
190	<b>heterostropha</b> Say.	230	<b>Littorina palliata</b> Gould. <i>Turbo palliatus</i> Say.
191	<b>Limnæa columella</b> Say.	231	<b>rudis</b> Gould. <i>Turbo obligatus</i> Say.
192	var. <b>chalybea</b> Gould.	232	<b>tenebrosa</b> Gould. <i>Turbo vestitus</i> Say.
193	<b>catascopium</b> Say.	233	<b>Lacuna neritoidea</b> Gould.
194	<b>elodes</b> Say.	234	<b>vineta</b> Gould. <i>L. pertusa</i> Conr.
195	<b>desidirosa</b> Say.	235	<b>fusca</b> Adams.
196	<b>macrostoma</b> Say. <i>L. acuminata</i> Adams.	236	<b>Cingula aculeus</b> Gould. <i>Turbo aculeus</i> Adams.
197	<b>modicellus</b> Say.	237	<b>minuta</b> Gould. <i>Turbo minuta</i> Totten.
198	<b>umbilicata</b> Adams.	238	<b>Turritella erosa</b> Couth.
199	<b>Ancylus fuscus</b> Adams.	239	<b>interrupta</b> Totten.
200	<b>rivularis</b> Say.	240	<b>Pyramis striatula</b> Couth.
201	<b>Valvata pupoidea</b> Gould.	241	<b>Odostomia exigua</b> Gould. <i>Jaminia exigua</i> Couth.
202	<b>tricarinata</b> Say.	242	<b>fusca</b> Gould.
203	<b>Paludina decisa</b> Say.	243	<b>producta</b> Gould. <i>Jaminia producta</i> Ad.
204	<b>Amnicola porata</b> Say.	244	<b>seminuda</b> Gould.
205	<b>Natica canaliculata</b> Gould.	245	<b>trifida</b> Gould. <i>Acteon trifidus</i> Totten.
206	<b>clausa</b> Brod. <i>N. consolidata</i> Couth.	246	<b>Cerithium Emersonii</b> Ad.
207	<b>duplicata</b> Say.	247	<b>Greenii</b> Adams.
208	<b>flava</b> Gould.	248	<b>nigrocinctum</b> Adams.
209	<b>heros</b> Say.		
210	<b>immaculata</b> Totten.		
211	<b>pusilla</b> Say.		
212	<b>triseriata</b> Say.		
213	One species not identified.		
214	<b>Janthina fragilis</b> Brug.		
215	<b>Velutina lævigata</b> Gould. <i>V. rupicola</i> Conr.		
216	<b>zonata</b> Gould.		
217	<b>Sigaretus hallotoideus</b> Lam. <i>Oxynoe glabra</i> Couth.		
218	<b>Tornatella puncto-striata</b> Adams.		

No.		No.	
249	<i>Cerithium terebrale</i> Adams.	268	<i>Ranella caudata</i> Say.
250	<i>Sayi</i> Menke. <i>C. reticulatum</i> Totten.	269	<i>Rostellaria occidentalis</i> Beck.
251	<i>Pleurotoma decussata</i> Couth.	270	<i>Trichotropis borealis</i> Sowb. <i>T. costellatus</i> Couth.
252	<i>bicarinata</i> Couth.	271	<i>Purpura lapillus</i> Lam.
253	<i>plicata</i> Adams.	272	var. <i>imbricata</i> Lam.
254	<i>Cancellaria Couthouyi</i> Jay. <i>C. buccinoides</i> Couth.	273	var. <i>bizonalis</i> Lam.
255	<i>Fusus Bamffius</i> Flem.	274	<i>Buccinum ciliatum</i> Gould. <i>B. ventricosum</i> Kiener.
256	<i>decemcostatus</i> Say.	275	<i>Donovani</i> Gray.
257	<i>harpularius</i> Couth.	276	<i>lunatum</i> Adams.
258	<i>Islandicus Martini</i> . <i>F. corneus</i> Say.	277	<i>obsoletum</i> Adams.
259	<i>murioatus</i> Brown.	278	<i>plicosum</i> Menke. <i>Fusus cinereus</i> Say.
260	<i>rufus</i> Gould.	279	<i>rosaceum</i> Gould.
261	<i>pygmaeus</i> Gould (var.)	280	<i>trivittatum</i> Adams. <i>Nassa trivittata</i> Say.
262	<i>scalariformis</i> Gould.	281	<i>undatum</i> Lin.
263	<i>tornatus</i> Gould.	282	<i>vibex</i> Adams. <i>Nassa vibex</i> Say.
264	<i>turricula</i> Flem.	283	<i>Columbella avara</i> Say.
265	<i>ventricosus</i> Gray. <i>F. Islandicus</i> Kiener (var.)	284	<i>Spirula Peronii</i> Lam.
266	<i>Pyrula canaliculata</i> Brug.		
267	<i>oarica</i> Brug.		

**Møller.**—Index Molluscorum Groenlandiæ: auctore H. P. C. MÖLLER. Hafniæ, 1842. [With descriptions.]

#### CEPHALOPODA.

Page.		Page.	
3	<i>Onycoteuthis Fabricii</i> Möll. <i>Sepia loligo</i> Fabr.	4	<i>Cirrhoteuthis Mulleri</i> Eschr.
3	<i>amosna</i> Möll.	4	<i>Octopus granulatus</i> . <i>Sepia octopodia</i> Fabr.
3	<i>Rossia palpebrosa</i> Owen.		

#### PTEROPODA.

4	<i>Clione borealis</i> . <i>Clio retusa</i> Fabr.	4	<i>Limacina arctica</i> Sab. <i>Argonauta arctica</i> Fabr.
		4	<i>balea</i> Möll.

#### GASTEROPODA.

4	<i>Helix Fabricii</i> . <i>Petasia Fabricii</i> Beck. <i>H. nitidia</i> Fabr.	4	<i>Pupa Hoppii</i> Möll.
		4	<i>Vitrina angelicæ</i> Beck. <i>Helix pellucida</i> Fabr.

Page.		Page.	
4	<b>Succinea groenlandica</b> Beck.	8	<b>Margarita ? costulata</b> Möll.
4	<b>Lymnaea VahlII.</b>	8	<b>Skenea planorbis.</b>
	<i>Limnophysa VahlII</i> Beck.		<i>Turbo planorbis</i> Fabr.
5	<b>HolbolII.</b>	9	<b>Litorina Groenlandica</b> Mke.
	<i>Limnoph. HolbolII</i> Beck.		<i>Nerita litorea</i> Fabr.
5	<b>Pingell.</b>	9	<b>arctica</b> Möll.
	<i>Limnoph. Pingell</i> Beck.		<i>Nerita litoralis</i> Fabr.
5	<b>Planorbis aroticus</b> Beck.		var. <i>retusa.</i>
5	<b>Aeolidia bodocensis,</b>	9	<b>Lacuna divaricata.</b>
	<i>Doris papillosa</i> Fabr.		<i>Trochus divaricatus</i> Fabr.
5	<b>Tergipes rupium</b> Möll.	9	<b>glacialis</b> Möll.
5	<b>Tritonia arborescens.</b>	9	<b>pallidula</b> Tert.
	<i>Doris arborescens</i> Fabr.	9	<b>Rissoa castanea</b> Möll.
5	<b>AscanII</b> Sars ?	9	<b>scrobiculata</b> Möll.
5	<b>Doris liturata</b> Beck.	9	<b>globulus</b> Möll.
6	<b>acutuscula</b> Stp.	9	<b>saxatilis</b> Möll.
6	<b>obelata.</b>		<i>Trochus striatellus</i> Fabr.
	<i>D. obvelata</i> Müll. ?	9	<b>Turritella lactea</b> Möll.
6	<b>Euplocamus HolbolII</b> Möll.	10	<b>polaris</b> Beck.
6	<b>Bullæa granulosa.</b>	10	<b>? costulata</b> Möll.
	<i>B. granulosa</i> Sars ?	10	<b>Scalaria groenlandica.</b>
6	<b>punctata</b> Möll.		<i>Turbo clathrus Groenlandicus</i> Chemn.
6	<b>Bulla turrita</b> Möll.	10	<b>Eschrichti</b> Holb.
6	<b>oorticata</b> Beck.	10	<b>Menestho</b> Möll. (n. g.)
6	<b>Reinhardi</b> Holb.	10	<b>Cl. albula.</b>
	<i>B. insculpta</i> Totten ?		<i>Turbo albus</i> Fabr.
6	<b>subangulata</b> Möll.	10	<b>Velutina haliotoidea.</b>
7	<b>Natica septentrionalis</b> Beck.		<i>Helix haliotoidea</i> Fabr.
7	<b>groenlandica</b> Beck.	10	<b>lanigera</b> Möll.
	<i>N. borealis</i> Brod. & Sowb.	10	<b>Sigaretus ? Groenlandicus</b>
7	<b>cornea</b> Möll.		Möll.
	an <i>N. fragilis</i> Sab. var. ?	11	<b>Buccinum glaciale</b> Lin.
7	<b>nana</b> Möll.	11	<b>scalariforme</b> Beck.
7	<b>Amaura</b> Möll. (n. g.)	11	<b>undulatum</b> Möll.
7	<b>candida</b> Möll.	11	<b>cyaneum</b> Beck.
8	<b>Margaritastriata</b> Brod., Sowb.		<i>B. undatum</i> Fabr.
	var. <b>groenlandica.</b>	12	<b>Humphreysianum</b> Bens.
8	<b>undulata</b> Sowb.	12	<b>ciliatum.</b>
	var. <b>lævior.</b>		<i>Trit. ciliatum</i> Fabr.
	var. <b>trochiformis.</b>	12	<b>Purpura lapillus</b> Lam.
	<i>Trochus cinerarius</i> Fabr.	12	<b>Trichotropis Atlantica</b> Beck.
8	<b>helicina.</b>		<i>conica</i> Möll.
	<i>Trochus helicus</i> Fabr.	12	<b>Mangelia HolbolII</b> Beck.
8	<b>glauca</b> Möll.	12	<b>Defrancla nobilis</b> Möll.
8	<b>VahlII</b> Möll.		



Page.		Page.	
12	<b>Defrancia</b> <i>scolaris</i> Möll.	15	<b>Fusus</b> <i>latericeus</i> Möll.
12	<i>exarata</i> Möll.	15	<i>Kroyeri</i> Möll.
13	<b>Woodiana</b> Möll.	15	<i>Islandicus</i> Lin.
	<i>Pleur. turricula</i> Wood.	15	<i>Holbollii</i> Möll.
13	<i>elegans</i> Möll.	15	<b>Mitra</b> <i>Grœnlandica</i> Beck.
13	<i>cinerea</i> Möll.	15	<b>Admete</b> <i>Krøyer</i> (n. g.)
13	<i>Pingellii</i> Beck.	15	<i>crispa</i> Möll.
13	<i>VahlII</i> Beck.	16	<b>Lottia</b> <i>testudinialis</i> .
13	<i>cylindracea</i> Möll.		<i>Patella testudinialis</i> Lin.
14	<i>BeckII</i> Möll.	16	<b>Cemoria</b> <i>fissurella</i> .
14	<i>livida</i> Möll.		<i>Patella fissurella</i> Müll.
14	<i>viridula</i> .	16	<b>Patella</b> <i>cerea</i> Möll.
	<i>Tritonium viridulum</i> Fabr.		an <i>P. candida</i> Couth. ?
14	<b>Trophon</b> <i>FabricII</i> Beck.	16	<i>rubella</i> Fabr.
14	<i>clathratum</i> .	16	<b>Chiton</b> <i>ruber</i> Lin.
	<i>Trit. clathratum</i> Fabr.		<i>C. marmoreus</i> Fabr.
14	<i>BanffII</i> .		var. <i>unicolor</i> .
	<i>Murex BanffII</i> Donovan.		<i>cinereus</i> Fabr.
14	<b>Fusus</b> <i>carinatus</i> Lam. ?	16	<i>albus</i> Lin.
	var. <i>ventricosa</i> .		

## ACEPHALA.

16	<b>Pecten</b> <i>Islandicus</i> Chem.	19	<b>Modolia</b> <i>fabia</i> .
16	<b>Lima</b> <i>sulcata</i> Leach.		<i>Mytilus faba</i> Fabr.
17	<b>Nucula</b> <i>tenuis</i> Gray.	19	? <i>clercula</i> Möll.
17	<i>corticata</i> Holb.	19	? <i>vitrea</i> Holb.
17	<i>lenticula</i> Möll.		an <i>Myt. decussatus</i> Mont.
17	<b>Leda</b> <i>buccata</i> Stp.	19	<b>Astarte</b> <i>arctica</i>
	an <i>Nuc. rostrata</i> Lam. ?		<i>Crassina arctica</i> Gray.
	var. <i>brevis</i> .	19	<i>semisulcata</i> .
	var. <i>laevior</i> .		<i>Crassina semisulcata</i> Gray.
17	<i>macilenta</i> Stp.	19	<i>BanksII</i> .
17	<i>minuta</i> .		<i>Nicania BanksII</i> Sab.
	<i>Arca minuta</i> Fabr.	20	<i>striata</i> .
	var. <i>tumida</i> .		<i>Nicania striata</i> Leach.
17	<i>complanata</i> Möll.	20	<i>globosa</i> Möll.
18	<b>Yoldia</b> Möll. (n. g.)	20	<b>Cardium</b> <i>Grœnlandicum</i>
18	<i>arctica</i> .		Chemn.
	<i>Nucula arctica</i> Gray.		<i>Venus Islandica</i> Fabr.
19	<i>angularis</i> Möll.	20	<i>Islandicum</i> Chemn.
	<i>Nucula myalis</i> Couth.		<i>C. ciliatum</i> Fabr.
19	<b>Mytilus</b> <i>edulis</i> Lin.	20	<i>elegantulum</i> Beck.
19	<b>Modiola</b> <i>discrepans</i> Sowb.	20	<b>Lessea</b> <i>minuta</i> .
19	<i>discors</i> .		<i>Venus minuta</i> Fabr.
	<i>Mytilus discors</i> Lin.	20	<b>Tellina</b> <i>calcareo</i> Gmel.

Page.		Page.	
20	<b>Tellina fragilis.</b> <i>Venus fragilis</i> Fabr.	21	<b>Mya truncata</b> <i>Lin.</i>
20	<b>Cryptodon flexuosum.</b> <i>C. flexuosum</i> Turf.?	21	<b>arenaria</b> <i>Lin.</i>
20	<b>Cyolas Steenbuchii</b> <i>Möll.</i>	21	<b>Hiatella arctica.</b> <i>Mya arctica</i> Fabr.
20	<b>Pandorina arenosa</b> <i>Möll.</i>		<i>byssifera</i> Fabr.
21	<b>Thracia myopsis</b> <i>Beck.</i>	21	<b>Teredo navalis</b> <i>Lin.?</i>

## TUNICATA.

21	<b>Chelyosoma Macleayanum</b> <i>Brod. &amp; Sowb.</i>	22	<b>Ascidia echinata</b> <i>Lin.</i>
21	<b>Cynthia glutinans</b> <i>Möll.</i>	22	<b>conchilega</b> <i>Müll.</i>
22	<b>Ascidia monoceros</b> <i>Möll.</i>	22	<b>complanata</b> <i>Fabr.</i>
22	<b>pyriformis</b> <i>Rathke.</i>	22	<b>lurida</b> <i>Möll.</i>
22	<b>villosa</b> <i>Fabr.</i>	22	<b>Clavelina crystallina</b> <i>Möll.</i>
22	<b>quadridentata</b> <i>Lin.</i>	22	<b>Boltenia reniformis</b> <i>M'Leay.</i> <i>Ascidia clavata</i> Fabr.
22	<b>rustica</b> <i>Lin.</i>	22	<b>ciliata</b> <i>Möll.</i>

## BRACHIOPODA.

23	<b>Terebratula psittacea</b> <i>Lam.</i>
23	<b>Doris fusca</b> <i>Fabr.</i>



(There are also diagnoses of undetermined nudibranchiate Gasteropods.  
—W. G. B.)

**Conrad.**—Description of three new Species of *Unio* from the Rivers of the United States: by T. A. CONRAD. (From Journ. Phila. Acad. Nat. Sci., vol. viii, 1842.)

Page.	Name.	Locality.
178	<b>Unio perplicatus</b> <i>Conrad.</i>	Jackson, La.
179	<b>nodiferus</b> <i>Conrad.</i>	Jackson, La.
179	<b>parallelus</b> <i>Conrad.</i>	Jackson, La.

**Philipps.**—Description of a new American Species of the Genus *Helix*: by J. S. PHILIPPS. (From same.)

Page.	Name.	Locality.
182	<b>Helix lasmodon</b> <i>Philipps.</i>	Alabama.

**Haldeman.**—Description of five new Species of North American Fresh-water Shells: by S. S. HALDEMAN. (From same.)

Page.	Name.	Locality.
200	<i>Amnicola attenuata</i> Hald.	Montgomery Co., Va.
200	<i>lapidaria</i> Say (notes on).	
200	<i>Sayana</i> Anthony (notes on).	
200	<i>Cincinnatiensis</i> Lea = <i>Sayana</i> (notes on).	
200	<i>Melania integra</i> = <i>Amnicola</i> (notes on).	
200	<i>Physa globosa</i> Hald.	Nolachucky river.
201	<i>Unio puniceus</i> Hald.	Holston river, Va.
202	<i>abaicus</i> Hald.	Holston river, Tenn.
202	<i>Anodon plicatus</i> Hald.	Cumberland riv., Ten.

**De Kay.**—Zoology of New York: by JAMES E. DE KAY. Part V. Mollusca 4to. pp. 271, 40 plates. Albany, 1843.

(The State Report. Descriptions of the families, genera, &c. are also given. The letters e. l. are placed against the species described as extra limital; many of the other species, however, had not been detected in the State.)

**CEPHALOPODA.**

**Sepiadae.**

Page.	Plate.	Fig.	Name.	Locality.
3	i	1	<i>Loligo punctata</i> De Kay.	
4	xxxviii	354	<i>Pealeii</i> Les., e. l.	South Carolina.
4			<i>ilicebrosa</i> Les., e. l.	Massachusetts.
4			<i>Bartlingii</i> Les., e. l.	Gulf stream.
4	xxxviii	353	<i>pavo</i> Les., e. l.	Massachusetts.
4	xxxvii	352	<i>Bartrami</i> Les., e. l.	Coast of U. S.
4	xxxvii	351	<i>brevipinna</i> Les., e. l.	Delaware bay.

**Siphonidae.**

5	xxxv	332	<i>Spirula Peronii</i> Lam. <i>Nautilus spirula</i> Linn. <i>Spirula australis</i> Cuvier.	
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**PTEROPODA.**

**Clionidae.**

6	i	2	<i>Clio borealis</i> Linn.	
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**GASTEROPODA.**

**NUDIBRANCHIA.**

**Doridae.**

8			<i>Doris illuminata</i> Gould, e. l.	Boston bay.
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**Tritonidæ.**

Page.	Plate.	Fig.	Name.	Locality.
8	v	94	<b>Tritonia Reynoldsi</b> <i>Couth.</i> <i>T. arborescens</i> Gould.	
<b>Glaucidæ.</b>				
9	v	96	<b>Holidia Bostoniensis</b> <i>Couth.</i> <i>Eolis Bostoniensis</i> <i>Couth.</i> <i>rudibranchialis</i> Gould?	
9	v	97	<b>diversa</b> <i>Couth.</i> <i>Eolis diversa</i> <i>Couth.</i>	
10	v	95	<b>gymnota</b> <i>Couth.</i> <i>Eolis (Tergipes) gymnota</i> <i>Couth.</i>	
11	vi	116	<b>Cavolina salmonacea</b> <i>Couth.</i> <i>Eolis salmonacea</i> Gould.	
11			<b>Filurus (n. g.) dubius</b> <i>De Kay.</i>	

**INFRABRANCHIA.**

12	v	98 a, b	<b>Ancylus rivularis</b> <i>Say.</i>	
13	v	99 a, b	<b>calcarius</b> <i>De Kay.</i>	
13			<b>fuscus</b> <i>Adams.</i>	
13			<b>tardus</b> <i>Say, e. l.</i>	Wabash river.
13			<b>flosus</b> <i>Conrad, e. l.</i>	Alabama.
13			<b>Nuttalli</b> <i>Hald.</i>	Oregon.
13			<b>diaphanus</b> <i>Hald.</i>	Ohio.
13			<b>parallelus</b> <i>Hald.</i>	

**TECTIBRANCHIA.****Aceridæ.**

14	v	100 a, b	<b>Bulla insculpta</b> <i>Totten.</i>	
15	v	101	<b>Gouldii</b> <i>Couth.</i>	
15	v	102	<b>obstriata</b> <i>Gould.</i>	
16			<b>Bulla fluviatilis</b> <i>Say, is referred doubtfully to Physa planorbula De Kay.</i>	
16	xxxv	334	<b>Bulla lineolata</b> <i>Couth.</i>	
17	xxxv	326	<b>triticea</b> <i>Couth.</i>	
17	xxxv	329	<b>debilis</b> <i>Gould.</i>	
18			<b>Bulla fontinalis</b> <i>Say, referred doubtfully to a Physa.</i>	
18	xxxv	335	<b>Bulla hiemalis</b> <i>Couth.</i>	
18	xxxv	327	<b>oryza</b> <i>Totten.</i>	
19	xxxv	328	<b>canaliculata</b> <i>Say.</i> <i>Volvaria canaliculata</i> <i>Say.</i> <i>Bullina canaliculata</i> <i>Say.</i>	
19			<b>solitaria</b> <i>Say, e. l.</i> <i>Bulla insculpta?</i>	Southern coast.

## PULMONBRANCHIA.

## Limacidae.

Page.	Plate.	Fig.	Name.	Locality.
20	i	4	<b>Limax agrestis</b> Linn. <i>L. tunicata</i> Gould.	
21	i	5	<b>flavus</b> Linn. <i>L. variegatus</i> Lam.	
22			<b>campestris</b> Binney.	
22			<b>graecilis</b> Ferussac, e. l.	Western States.
22			<b>dorsalis</b> (Phlomyous) Binney, e. l.	Vt., Mass.
23			<b>Arion hortensis</b> Lam. <i>Limax hortensis</i> Lam.	
24	iii	1	<b>Tebennophorus Caroliniensis</b> Bosc. <i>Limax Caroliniensis</i> Bosc. <i>togata</i> Gould.	

## Helicidae.

25	iii	42 a, b	<b>Vitrina pellucida</b> Draparnaud.	
26	ii	12	<b>Helix albolabris</b> Say. <i>Cochlea Virginiana</i> Lister.	
27	ii	11 a, b	<b>appressa</b> Say. <i>H. linguifera</i> Ferussac.	
27	ii	6 a, b	<b>exoleta</b> Binney. <i>H. zaleta</i> Say. <i>albolabris</i> , var. <i>unidentata</i> Ferussac.	
28	ii	7 a, b	<b>tridentata</b> Say.	
28	iii	23 a, b	<b>fallax</b> Say. <i>H. tridentata</i> (var.) Binney.	
29	ii	8 a, b	<b>thyroidus</b> Say. <i>Cochlea umbilicata</i> Lister.	
29	ii	9	<b>alternata</b> Say. <i>H. scabra</i> Lam.	
30	ii	10 a, b, c	<b>arborea</b> Say.	
30			<b>electrina</b> Gould.	
31	iii	26 a, b	<b>indentata</b> Say.	
31	ii	13 a, b	<b>clausa</b> Say.	
32	ii	14 a, b	<b>subglobosa</b> Binney.	
	iii	39 a, b	<i>H. hortensis</i> Gould.	
33	ii	15 a, b	<b>concaua</b> Say.	
33	iii	36 a, b	<b>palliata</b> Say.	
	ii	16 a, b	<i>H. obstricta</i> Say. <i>denotata</i> Ferussac. <i>Carolinensis</i> Lea. <i>Carocolla helicoides</i> Lea.	
34	ii	17 a, b	<b>dentifera</b> Binney.	

Page.	Plate.	Fig.	Name.	Locality.
34	ii	18 a, b	<i>Helix diodonta</i> Say.	
35	iii	19, 21 a, b	<i>monodon</i> Racket. <i>H. fraterna</i> Say. <i>convexa</i> Lam.	
36	iii	27 a, b	<i>hirsuta</i> Say.	
36	iii	20 a, b	<i>elevata</i> Say. <i>H. Knoxvilliana</i> Say.	
37	iii	22	<i>fuliginosa</i> Griffith.	
37	iii	35 a, b	<i>cellaria</i> Müller. <i>H. glaphyra</i> Say. <i>nitida</i> Draparnaud.	
38	iii	24 a, b	<i>suppressa</i> Say.	
38	iii	29	<i>intertexta</i> Gould.	
39			<i>inornata</i> Say.	
39	iii	31	<i>labyrinthica</i> Say.	
40	iii	32 a, b	<i>ligeri</i> Say?	
40	iii	33 a, b	<i>minuta</i> Say. <i>H. pulchella</i> Binney.	
41	iii	34 a, b	<i>multilineata</i> Say.	
41	iii	35 a, b	<i>Pennsylvanica</i> Green.	
42	iii	38 a, b	<i>perspectiva</i> Say.	
42	iii	37 a, b, c	<i>profunda</i> Say. <i>H. Richardi</i> Ferussac.	
43	iii	40 a, b, c	<i>striatella</i> Anthony. <i>H. ruderata</i> Studer?	
43	iii	41 a, b	<i>solitaria</i> Say.	
44	iii	30 a, b	<i>rufa</i> De Kay.	
44			<i>lineata</i> Say. <i>Planorbis parallelus</i> Say.	
44	xxxv	338	<i>chersina</i> Say.	
45			<i>major</i> Binney, e. l.	Southern States.
45			<i>inflecta</i> Say, e. l.	N. C., W'rn St's.
45			<i>irrorata</i> Say, e. l. var. <i>lactea</i> Ferussac.	Pennsylvania.
45			<i>corpuloides</i> Montagu, e. l.	Near Boston.
45			<i>egena</i> Say, e. l.	Pennsylvania.
45			<i>Mitchelliana</i> Lea, e. l.	Ohio.
45			<i>porcina</i> Say, e. l.	N. W. Territory.
45			<i>Vancouverensis</i> Lea, e. l.	Oregon.
46			<i>interna</i> Say, e. l.	Missouri.
46			<i>Nuttalliana</i> Lea, e. l.	Oregon.
46			<i>Columbiana</i> Lea, e. l.	Columbia river.
46			<i>Californiensis</i> Lea, e. l.	California.
46			<i>gularis</i> Say, e. l.	Ohio.
46			<i>Townsendiana</i> Lea, e. l.	Columbia river.

Page.	Plate.	Fig.	Name.	Locality.
46			<i>Helix jejuna</i> Say, e. l.	Southern States.
46			<i>Oregonensis</i> Lea, e. l.	Oregon.
46			<i>dealbata</i> Say, e. l.	Ala., Missouri.
46			<i>Wardiana</i> Lea, e. l.	Ohio.
47	iii	28	<i>auriculata</i> Say (Polygyra), e. l.	Florida.
47			<i>Sayii</i> Wood, e. l.	
47			<i>septemvolva</i> Say, e. l.	Georgia, Florida.
47			<i>avara</i> Say, e. l.	Florida, Carolina.
47			<i>aspersa</i> Ferussac, e. l.	
47	vi	114 a, b	<i>spinosa</i> Lea, e. l.	Alabama.
47			<i>Cumberlandiana</i> Lea, e. l.	Tennessee.
47			<i>lasmodon</i> Philipps, e. l.	Alabama.
48	iv	44	<i>Pupa millium</i> Gould.	
49	iv	45	<i>badia</i> Adams.	
			<i>Pupilla badia</i> Gould.	
49	iv	46	<i>exigua</i> Say.	
49	iv	47	<i>contracta</i> Say.	
50	iv	50	<i>ovata</i> Say.	
			<i>P. modesta</i> Say.	
50	iv	49	<i>corticaria</i> Say.	
50	iv	48	<i>pentodon</i> Say.	
	xxxv	337	<i>P. curvidens</i> Gould.	
			<i>Tappaniana</i> Adams.	
51	xxxv	331	<i>fallax</i> Say.	
			<i>Cyclostoma marginata</i> Say.	
			<i>P. placida</i> Say ( <i>Bulimus hordeaceus</i> ).	
			<i>abilabris</i> Adams.	
52			<i>armifera</i> Say.	
52	xxxvi	347	<i>simplex</i> Gould.	
52			<i>rupicola</i> Say, e. l.	Florida.
53	iv	51, 52	<i>Succinea ovalis</i> Say.	
			<i>S. lineata</i> De Kay, ined.	
53	iv	53	<i>obliqua</i> Say.	
54	iv	54 a, b	<i>campestris</i> Say.	
54	iv	55	<i>avara</i> Say.	
			<i>S. vermata</i> Say?	
55			<i>retusa</i> Lea, e. l.	Cincinnati.
55	iii	43	<i>Bulimus lubricus</i> Bruguiere.	
56			<i>mutlatus</i> Say, e. l.	Charleston.
56			<i>multilineatus</i> Say, e. l.	Florida.
56			<i>Achatina solida</i> Say, e. l.	Florida.
56	iv	56	<i>vexillum</i> Humphreys, e. l.	Florida.
56			<i>virginea</i> Linn., e. l.	Florida.
56			<i>striata</i> Ferussac, e. l.	Florida.
56			<i>flammsgera</i> Ferussac, e. l.	Florida.

Page.	Plate.	Fig.	Name.	Locality.
56			<i>Glandina truncata</i> Say, e. l. <i>Planorbis glans</i> Say.	S. C. & Florida.
<b>Auriculiadæ.</b>				
57	v	92, 1—3	<i>Auricula bidentata</i> Say. <i>Melampus bidentatus</i> Say. <i>A. cornea</i> Lam.	
58	v	91, 93	<i>denticulata</i> Montagu. <i>Voluta denticulata</i> Mont. <i>A. personata</i> Lam. <i>borealis</i> Conrad.	
58			<i>obliqua</i> Say, e. l.	Charleston.
<b>Limniadæ.</b>				
59	iv	59 a, b	<i>Planorbis trivolvis</i> Say.	
60	iv	63 a, b	<i>bicarinatus</i> Say.	
60	v	80* a, b	<i>lentus</i> Say.	
61	iv	60, 61	<i>megastoma</i> De Kay.	
61	v	99* a, b	<i>campanulatus</i> Say.	
62	iv	57 a, b	<i>obliquus</i> De Kay.	
62	iv	64 a, b, c	<i>armigerus</i> Say. <i>Discus armigerus</i> Hald.	
63	iv	62 a, b	<i>exacutus</i> Say.	
63	iv	58	<i>parvus</i> Say.	
64	viii	185* a, b	<i>corpulentus</i> Say.	
64			<i>hirsutus</i> Gould.	
65			<i>elevatus</i> Adams.	
65			<i>deflectus</i> Say.	
66			<i>dilatatus</i> Gould. <i>P. lens</i> Lea?	
66			<i>glabratus</i> Say, e. l.	South Carolina.
66			<i>antrosus</i> Conrad, e. l.	Alabama.
66			<i>virens</i> Adams, e. l.	Vermont.
67	v	80	<i>Limnea catascopium</i> Say. <i>L. pinguis</i> Say <i>decollata</i> Adams.	
68	iv	68	<i>fragilis</i> Linn. <i>Helix fragilis</i> Linn. <i>Limnea elodes</i> Say.	
68	iv	76	<i>umbrosa</i> Say. <i>Limneus elongatus</i> Say.	
69	iv	66, 69	<i>caperata</i> Say.	
	v	79	<i>L. umbilicata</i> Adams.	
69	iv	67	<i>pallida</i> Adams.	
70	iv	70	<i>megasoma</i> Say.	



Page.	Plate.	Fig.	Name.	Locality.
70	iv	73	<i>Limnea gracilis</i> Jay.	
71	iv	71 a, b	<i>humilis</i> Say. <i>L. modicella</i> Say?	
71	iv	65, 72 a, b	<i>reflexa</i> Say. <i>L. exilis</i> Lea.	
72	iv	74 a, b	<i>Linsleyi</i> De Kay.	
72	iv	75	<i>columella</i> Say. <i>L. macrostoma</i> Say. <i>acuminata</i> Adams.	
73	iv	77	<i>emarginata</i> Say.	
73	v	78	<i>desidiosa</i> Say. <i>L. acuta</i> Lea. <i>casta</i> Lea? <i>L. Philadelphica</i> Lea.	
74	v	81	<i>jugularis</i> Say. <i>L. stagnalis</i> Kirtland.	
74			<i>appressa</i> Say.	
75			<i>obrusa</i> Say, e. l. <i>L. decidiosa</i> Hald.?	Philadelphia.
75			<i>ferruginea</i> Hald., e. l.	Oregon.
75			<i>rugosa Valenciennes</i> , e. l.	Mexico.
75			<i>attenuata</i> Say, e. l.	Mexico.
75	xxxvi	348	<i>expansa</i> Hald., e. l.	Vermont.
75			<i>solida et apicina</i> Lea, e. l.	Oregon.
75			<i>bulimoides</i> Lea, e. l.	Oregon.
75			<i>vitrea</i> Hald., e. l.	Ohio? Missouri.
76	v	82	<i>Physa heterostropha</i> Say. <i>Limnea heterostropha</i> Say.	
76	v	83	<i>planorbula</i> De Kay. <i>Bulla fluviatilis</i> Say?	
77	v	82	<i>cylindrica</i> Newcomb, ined.	
77			<i>elliptica</i> De Kay. <i>P. cylindrica</i> Lea.	
78	v	85	<i>plicata</i> De Kay.	
78	v	86	<i>obesa</i> De Kay.	
78	v	90	<i>ancillaria</i> Say.	
79	v	87	<i>gyrina</i> Say?	
80	v	88	<i>glabra</i> De Kay.	
80	v	89 a, b	<i>aurea</i> Lea.	
81	xxxvi	346	<i>elongata</i> Say.	
81			<i>pomilla</i> Conrad, e. l.	Alabama.
81			<i>integra</i> Hald., e. l.	Indiana.
81			<i>concolor</i> Hald., e. l.	Oregon.
81			<i>Sayii</i> Tappan, e. l. (no description given).	
81			<i>globosa</i> Hald., e. l.	Virginia.

**Cyclostomidae.**

Page.	Plata.	Fig.	Name.	Locality.
82			<i>Cyclostoma dentata</i> Say, e. l.	Florida.
82			<i>Cincinnatiense</i> Lea, e. l.	Cincinnati.
			<i>A. [Amnicola] Sayana</i> Anthony?	

**Helicinidae.**

82			<i>Helicina orbiculata</i> Say, e. l.	Florida.
82			<i>fastigiata</i> Say, e. l.	Illinois.
82			<i>plicata</i> Say.	
82			<i>occulta</i> Say, e. l.	Western States.

**PECTINIBRANCHIA.****Turbinidae.**

84	vi	131 a, b	<i>Paludina dissolva</i> Say.	
	vii	134	<i>P. decisa</i> Say.	
			<i>ponderosa</i> Deshayes in Lam.	
84	vii	132 a, b	<i>integra</i> Say.	
			<i>P. heros</i> De Kay.	
85	vii	133	<i>isogona</i> Say.	
			<i>P. pallida</i> Lea?	
85			<i>transversa</i> Say, e. l.	Louisiana.
85			<i>intertexta</i> Say, e. l.	Louisiana.
86			<i>ponderosa</i> Say, e. l.	Falls of the Ohio.
			<i>P. heterostropha</i> Kirtland.	
86			<i>Georgiana</i> Lea, e. l.	Darien, Ga.
86			<i>vivipara</i> Say, e. l.	South Carolina.
86			<i>magnifica</i> Conrad, e. l.	Alabama.
86			<i>subpurpurea</i> Say, e. l.	Wabash river.
86			<i>genicula</i> Conrad, e. l.	Georgia.
86			<i>subglobosa</i> Say, e. l.	N. W. Territory.
86			<i>dissimilis</i> Say, e. l.	Pennsylvania.
86			? <i>lapidaria</i> Say, e. l.	Pennsylvania.
			<i>Cyclostoma lapidaria</i> Say.	
87			<i>subcarinata</i> Say, e. l.	Pennsylvania.
87			<i>bimontifera</i> Lea, e. l.	Alabama river.
87			<i>Amnicola lustrica</i> Say.	
			<i>Paludina lustrica</i> Say.	
88	xxxv	333	<i>porata</i> Say.	
			<i>Paludina porata</i> Say.	
88			<i>limosa</i> Say, e. l.	Delaware.
88			<i>grana</i> Say, e. l.	Pennsylvania.
88			<i>Cincinnatiensis</i> Anthony, e. l.	Cincinnati.
88			<i>Nickliniana</i> Lea, e. l. (no description given).	

Page.	Plate.	Fig.	Name.	Locality.
89	vii	135 a, b	<i>Melania depygis</i> Say.	
90			<i>Niagarensis</i> Lea.	
90	vii	141	<i>virginica</i> Say.	
			<i>Paludina virginica</i> Say.	
91	vii	140 a, b	<i>bisonalis</i> De Kay.	
91	vii	142	<i>gemma</i> De Kay.	
92	vii	138	<i>subularis</i> Lea.	
92			<i>undulata</i> Say, e. l.	Ohio river.
92			<i>Hildrethiana</i> Lea, e. l.	Ohio river.
92			<i>castanea</i> Lea, e. l.	Tennessee.
92			<i>lævis</i> Lea, e. l.	
92			<i>Kirtlandiana</i> Lea, e. l.	Indiana & Ohio.
92			<i>Taitiana</i> Lea, e. l.	Alabama.
93			<i>dubiosa</i> Lea, e. l.	Tennessee.
93			<i>ebenum</i> Lea, e. l.	Tennessee.
93			<i>rufescens</i> Lea, e. l.	Tennessee.
93			<i>tuberoulata</i> Lea, e. l.	Tennessee.
			<i>M. stygia</i> Say.	
93			<i>armigera</i> Say, e. l.	Ohio river.
93			<i>Hydei</i> Conrad, e. l.	Alabama.
93			<i>catenaria</i> Say, e. l.	South Carolina.
93			<i>cancellata</i> Say, e. l.	Florida.
93			<i>fusiformis</i> Lea, e. l.	Tennessee.
93			<i>claviformis</i> Lea, e. l.	Tennessee.
94			<i>gracilis</i> Lea, e. l.	Tennessee.
94			<i>subsolida</i> Lea, e. l.	Tennessee.
94			<i>occocensis</i> Lea, e. l.	Tennessee.
94			<i>subcylindracea</i> Lea, e. l.	Tennessee.
94			<i>sordida</i> Lea, e. l.	Tennessee.
94			<i>regularis</i> Lea, e. l.	Tennessee.
94			<i>fuliginosa</i> Lea, e. l.	Tennessee.
94			<i>alveare</i> Conrad, e. l.	Tennessee.
94			<i>annulifera</i> Conrad, e. l.	Alabama.
94			<i>biteniata</i> Conrad, e. l.	Alabama.
94			<i>canaliculata</i> Say, e. l.	Ohio.
			<i>M. Sayii</i> Conrad.	
95			<i>conica</i> Say, e. l.	Ohio river.
			<i>Anculotus conicus</i> ?	
95			<i>Nickliniana</i> Lea, e. l.	Virginia.
95			<i>viridis</i> Lea, e. l.	Ohio.
95			<i>occidentalis</i> Lea, e. l.	Ohio.
95			<i>globula</i> Lea, e. l.	Tennessee.
95			<i>altilis</i> Lea, e. l.	Maryland & S. C.
95			<i>strigosa</i> Lea, e. l.	
95			<i>virgata</i> Lea, e. l.	Tennessee.

Page.	Plata.	Fig.	Name.	Locality.
95			<b>Melania tenebrosa</b> <i>Lea, e. l.</i>	Tennessee.
95			<b>Cincinnatiensis</b> <i>Lea, e. l.</i>	Cincinnati.
95			<b>comma</b> <i>Conrad, e. l.</i>	Alabama.
96			<b>congesta</b> <i>Conrad, e. l.</i>	Alabama.
96			<b>elevata</b> <i>Say, e. l.</i>	Ohio river.
			<i>M. elongata</i> <i>Lea?</i>	
96			<b>excursata</b> <i>Conrad, e. l.</i>	Alabama.
96			? <b>integra</b> <i>Say, e. l.</i>	Ohio river.
96			<b>teres</b> <i>Lea, e. l.</i>	Tennessee.
96			<b>obtusa</b> <i>Lea, e. l.</i>	Tennessee.
96			<b>Lecontiana</b> <i>Lea, e. l.</i>	Georgia.
96			<b>rugosa</b> <i>Lea, e. l.</i>	Tennessee.
96			<b>monoxonalis</b> <i>Lea, e. l.</i>	Tennessee.
96			<b>terebralis</b> <i>Lea, e. l.</i>	Tennessee.
96			<b>columella</b> <i>Lea, e. l.</i>	Tennessee.
97			<b>blanda</b> <i>Lea, e. l.</i>	Tennessee.
97			<b>orebri-costata</b> <i>Lea, e. l.</i>	Tennessee.
97			<b>laqueata</b> <i>Say, e. l.</i>	Tennessee.
97			<b>lima</b> <i>Conrad, e. l.</i>	Alabama.
97			<b>multilineata</b> <i>Say, e. l.</i>	Penn'a, N. J.
97			<b>nupera</b> <i>Say, e. l.</i>	Wabash river.
97			<b>nassula</b> <i>Conrad, e. l.</i>	Alabama.
97			<b>Curreyana</b> <i>Lea, e. l.</i>	Kentucky.
97			<b>Edgariana</b> <i>Lea, e. l.</i>	Tennessee.
98			<b>decora</b> <i>Lea, e. l.</i>	Tenn., Ky.
98			<b>costulata</b> <i>Lea, e. l.</i>	Tenn., Ky.
98			<b>nitens</b> <i>Lea, e. l.</i>	Tennessee.
98			<b>Deshayesiana</b> <i>Lea, e. l.</i>	Tennessee.
98			<b>concinna</b> <i>Lea, e. l.</i>	Tennessee.
98			<b>babylonica</b> <i>Lea, e. l.</i>	Ohio.
98			<b>arata</b> <i>Lea, e. l.</i>	Tennessee.
98			? <b>obovata</b> <i>Say, e. l.</i>	Kentucky river.
98			<b>olivula</b> <i>Conrad, e. l.</i>	Alabama.
98			<b>prasinata</b> <i>Conrad, e. l.</i>	Alabama.
99			<b>proxima</b> <i>Say, e. l.</i>	South Carolina.
99			<b>pyrenella</b> <i>Conrad, e. l.</i>	North Alabama.
99			<b>Potosiensis</b> <i>Lea, e. l.</i>	Missouri.
99			<b>acuto-carinata</b> <i>Lea, e. l.</i>	Tennessee.
99			<b>Warderiana</b> <i>Lea, e. l.</i>	Virginia.
99			<b>sulcosa</b> <i>Lea, e. l.</i>	Tennessee.
99			<b>striatula</b> <i>Lea, e. l.</i>	Tennessee.
99			<b>pillula</b> <i>Lea, e. l.</i>	Tennessee.
99			<b>circincta</b> <i>Lea, e. l.</i>	Tennessee.
99			<b>venusta</b> <i>Lea, e. l.</i>	Tennessee.
99			<b>Florentiana</b> <i>Lea, e. l.</i>	Tennessee, Ala.
100			<b>salebrosa</b> <i>Conrad, e. l.</i>	Alabama.

Page.	Plata.	Fig.	Name.	Locality.
100			<b>Melania semicarinata</b> Say, e. l.	Kentucky.
			<i>M. acuta</i> Lea.	
100			<i>simplex</i> Say, e. l.	Virginia.
100			<i>trilineata</i> Say, e. l.	Ohio river.
100			<i>trochiformis</i> Conrad, e. l.	Alabama.
100			<b>Troostiana</b> Lea, e. l. [no description].	
100			<i>Duttoniana</i> Lea, e. l.	Tennessee.
100			<i>Holstonia</i> Lea, e. l.	Tennessee.
100			<i>caliginosa</i> Lea, e. l.	Tennessee.
100			<i>nodulosa</i> Lea, e. l.	Tennessee.
100			<i>Boykiniana</i> Lea, e. l.	Georgia.
101			<i>catenoides</i> Lea, e. l.	Georgia.
101			<i>vestita</i> Conrad, e. l.	
101			<b>Anculosus carinatus</b> De Kay.	
			<i>A. dissimilis</i> ?	
102	vii	137	<b>Anculotus trivittatus</b> De Kay.	
102			<i>angulatus</i> Conrad, e. l.	Alabama.
102	vii	139	<i>costatus</i> Anthony, e. l.	Ohio.
102			<i>dentatus</i> Couth., e. l.	Virginia.
102			<i>melanoides</i> Conrad, e. l.	Alabama.
102			<i>monodontoides</i> Conrad, e. l.	Virginia.
102			<i>nigrescens</i> Conrad, e. l.	Maryland.
103			<i>plicatus</i> Conrad, e. l.	Alabama.
103			<i>pictus</i> Conrad, e. l.	Alabama river.
103			<i>prærosus</i> Say, e. l.	Ohio.
103			<i>pumilus</i> Conrad, e. l.	Alabama.
103			<i>subglobosus</i> Say, e. l.	Virginia.
103			<i>tæniatus</i> Say, e. l.	Alabama.
103			<b>Io fusiformis</b> Lea, e. l.	Virginia.
			<i>Fusus fluviatilis</i> Say.	
104	v	103	<b>Littorina rudis</b> Montagu.	
			<i>Turbo rudis</i> Montagu.	
			<i>obligatus</i> Say.	
105	vi	106	<b>tenebrosa</b> Montagu.	
			<i>Turbo tenebrosus</i> Montagu.	
			<i>vestitus</i> Say.	
105	vi	109-11	<b>neritoides</b> Linn.	
			<i>Turbo neritoides</i> Linn.	
			<i>L. palliata</i> Gould.	
106	vi	112 a, b	<b>irrorata</b> Say.	
			<i>Turbo irroratus</i> Say.	
106	v	105	<b>palliata</b> Say.	
			<i>Turbo palliatus</i> Say.	
107	vi	104	<b>Margarita ornata</b> De Kay.	
107			<i>undulata</i> Sowerby.	
			<i>Turbo incarnatus</i> Couth.	

Page.	Plate.	Fig.	Name.	Locality.
108	vi	107	<b>Margarita arctica</b> <i>Lea.</i> <i>Turbo inflatus</i> Totten.	
108	vi	113	<b>cinerea</b> <i>Couth.</i> <i>Turbo cinereus</i> <i>Couth.</i>	
109	vi	108	<b>multilineata</b> <i>De Kay.</i>	
109			<b>obscura</b> <i>Couth.</i> , e. l.	Massachusetts.
109			<b>argentata</b> <i>Gould</i> , e. l.	Massachusetts.
110	iv	117	<b>Cingula minuta</b> <i>Totten.</i> <i>Turbo minutus</i> Totten.	
110	vi	115	<b>aculeus</b> <i>Gould.</i>	
111	vi	118	<b>lævis</b> <i>De Kay.</i>	
111	vi	119 a, b, c	<b>Lacuna vinota</b> <i>Montagu.</i> <i>Turbo vinctus</i> <i>Montagu.</i> <i>L. pertusa</i> <i>Conrad.</i> <i>Turbo quadrifasciatus.</i>	
112			<b>neritoidea</b> <i>Gould</i> , e. l.	Massachusetts.
112	vi	123	<b>Turritella interrupta</b> <i>Totten.</i> <i>Eulima interrupta</i> <i>Gould.</i>	
113	vi	122	<b>erosa</b> <i>Couth.</i>	
113			<b>imprensa</b> <i>Say</i> , e. l.	Seacoast.
113			<b>æqualis</b> <i>Say</i> , e. l.	Seacoast.
113			<b>alternata</b> <i>Say</i> , e. l.	Seacoast.
113			<b>concava</b> <i>Say</i> , e. l.	South Carolina.
114	viii	169	<b>Pyramis striatula</b> <i>Couth.</i>	
114	viii	170	<b>Odostomia trifida</b> <i>Totten.</i> <i>Actæon trifidus</i> Totten.	
115	viii	171	<b>seminuda</b> <i>Adams.</i> <i>Jamina seminuda</i> <i>Adams.</i> <i>Pyramis fusca</i> <i>Adams.</i>	
115	xxxi	297	<b>insculpta</b> <i>De Kay.</i>	
116	xxxvi	342	<b>fusca</b> <i>Adams.</i> <i>Pyramis fusca</i> <i>Adams.</i>	
116	xxxi	296	<b>producta</b> <i>Adams</i> , e. l. <i>Jamina producta</i> <i>Adams.</i>	Massachusetts.
116	xxxi	294-95	<b>exigua</b> <i>Couth.</i> , e. l. <i>Jamina exigua</i> <i>Couth.</i> <i>Turritella bisuturalis</i> <i>Say.</i>	Massachusetts.
117	xxxvi	849	<b>Vermetus lumbricalis</b> <i>Lin.</i> e. l.	Northern coast.
117	xxxii	203	<b>Skenea serpuloides</b> <i>Adams.</i> <i>Delphinula serpuloides</i> <i>Adams.</i>	
117			? <b>laxa</b> <i>Say</i> , e. l. <i>Delphinula laxa</i> <i>Say.</i>	South Carolina.
118	vi	130 a, b	<b>Valvata tricarinata</b> <i>Say.</i> <i>Cyclostoma tricarinata</i> <i>Say.</i>	
118	vi	129	<b>unicarinata</b> <i>De Kay.</i>	
119	vi	127-28	<b>sincera</b> <i>Say.</i>	

Page.	Plata.	Fig.	Name.	Locality.
119			<b>Valvata arenifera</b> <i>Lea</i> is the larva-case of some insect.	
119			<b>pupoidea</b> <i>Gould</i> , e. l.	Massachusetts.
120	vii	148	<b>Natica heros</b> <i>Say</i> .	
121	vii	147	<b>duplicata</b> <i>Say</i> .	
121	vii	144	<b>triseriata</b> <i>Say</i> .	
122	vii	146	<b>immaculata</b> <i>Totten</i> .	
122	vii	150	<b>clausa</b> <i>Sowerby</i> .	
			<i>N. consolidata</i> <i>Couth</i> .	
123	vii	145	<b>pusilla</b> <i>Say</i> .	
123			<b>flava</b> <i>Gould</i> .	
123			<b>canrena</b> <i>Lam</i> .	Asiatic, not Am.
123			<b>alba</b> <i>Say</i> [no description: doubtful].	
123			<b>lunata</b> <i>Say</i> [no description: doubtful].	
<b>Trochidae.</b>				
124			<b>Ampullaria Hopetonensis</b> <i>Lea</i> , e. l.	Georgia.
124			<b>rotundata</b> <i>Say</i> , e. l.	Florida.
124			<b>paludosa et depressa</b> <i>Say</i> , e. l.	Florida.
124			<i>Ampullaria penesma</i> <i>Say</i> , MSS.	
			<i>disseminata</i> <i>Say</i> , MSS.	
125	xxxvi	360	<b>Janthina fragilis</b> <i>Bruguere</i> .	
125	vi	124 a, b	<b>Scalaria subulata</b> <i>Couth</i> .	
			<i>S. Grælandica</i> <i>Gould</i> .	
			<i>Turbo clathrus-Grælandicus</i> <i>Chemnitz</i> .	
126	vi	125	<b>lineata</b> <i>Say</i> .	
126			<b>multistriata</b> <i>Say</i> .	
127	vi	126	<b>Novangliæ</b> <i>Couth</i> ., e. l.	
127			<b>clathrus</b> <i>Linn.</i> , e. l.	Southern coast.
127			<b>turbinata</b> <i>Conrad</i> , e. l.	North Carolina.
127	vii	143	<b>Tornatella puncto-striata</b> <i>Adams</i> .	
128			<b>Pirena scalariformis</b> <i>Say</i> , e. l.	Florida Keys.
<b>Cerithidae.</b>				
128	viii	167	<b>Cerithium Sayii</b> <i>Gould</i> .	
			<i>Pasithea nigra</i> <i>Totten</i> .	
			<i>Cerithium reticulatum</i> <i>Totten</i> .	
129			<b>ferrugineum</b> <i>Say</i> , e. l.	Florida.
129	viii	168	<b>Emersonii</b> <i>Adams</i> , e. l.	Nantucket.
129			<b>septemstriatum</b> <i>Say</i> , e. l.	Florida.
129			<b>nigroclinctum</b> <i>Adams</i> , e. l.	Massachusetts.
130	viii	172	<b>terebrale</b> <i>Adams</i> , e. l.	Massachusetts.
130			<b>Greeni</b> <i>Adams</i> , e. l.	Massachusetts.
130			<b>muscarum</b> <i>Say</i> , e. l.	Florida.
<b>Purpuridae.</b>				
130	vii	161	<b>Buccinum undatum</b> <i>Linn</i> .	

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Page.	Plate.	Fig.	Name.	Locality.
131	vii	162*	<b>Buccinum lunatum</b> Say. <i>Nassa lunata</i> Say.	
132	vii	162	<b>Wheatleyi</b> De Kay.	
132	viii	165	<b>trivittatum</b> Say. <i>Nassa trivittata</i> Say.	
133	viii	163-64	<b>obsoletum</b> Say. <i>Nassa obsoleta</i> Say. <i>B. Novaboracensis</i> Wood. <i>oliveformis</i> Kiener.	
133			<b>vibex</b> Say. <i>Nassa vibex</i> Say.	
134			<b>Donovani</b> Gould, e. l.	
134			<b>ciliatum</b> Gould, e. l.	
134			<b>rosaceum</b> Gould, e. l.	
134			<b>acutum</b> Say, e. l.	Southern cos
134			<b>unicinctum</b> Say, e. l.	South Caroli
134			<b>ornatum</b> Say, e. l.	Southern cos
134			<b>album</b> Say, e. l.	Florida.
135	viii	175	<b>Purpura lapillus</b> Linn. <i>Buccinum lapillus</i> Linn.	
136	viii	173	<b>imbricata</b> Lam. <i>P. lapillus</i> (var.) Russel.	
136	viii	174	<b>bizonalis</b> Lam. <i>P. lapillus</i> (var.) Gould	
136			<b>Floridana</b> Conrad, e. l.	Florida, Ala.
137	viii	178 a, b	<b>Trichotropis borealis</b> Sowerby. <i>T. costellatus</i> Couth.	
138	vii	160	<b>Cancellaria Couthouyi</b> Jay. <i>C. buccinoides</i> Couth.	
139	viii	176 a, b	<b>Ranella caudata</b> Say.	
139	viii	179	<b>Columbella avara</b> Say.	
140	ix	190	<b>Pyrula canaliculata</b> Linn. <i>Murex canaliculatus</i> Linn.	
141	ix	192-93	<b>carica</b> Linn. <i>Murex carica</i> Linn.	
142	viii	180-81	<b>spirata</b> Lam. <i>Fulgur pyruloides</i> Say.	
142			<b>papyratia</b> Say, e. l.	Southern cos
143	viii	182	<b>Fusus scalariformis</b> Gould? <i>F. borealis</i> De Kay.	
144	viii	185	<b>Islandicus</b> Linn <i>Murex Islandicus</i> Linn <i>F. corneus</i> Say. <i>Islandicus</i> var. <i>pygmaeus</i> Gould.	
144	viii	183	<b>ventricosus</b> Gray.	



Page.	Plate.	Fig.	Name.	Locality.
145	viii	184 a, b	<b>Fusus cinereus</b> Say. <i>Buccinum plicosum</i> Gould.	
145	ix	186	<b>decemoostatus</b> Say. <i>F. carinatus</i> Lam.?	
146	ix	187	<b>harpularius</b> Couth.	
146	ix	189	<b>rufus</b> Montagu. <i>Murex rufus</i> Montagu. <i>F. pleurotomarius</i> Couth.	
147	ix	188	<b>imbricatus</b> De Kay.	
147	ix	191	<b>pyruloides</b> De Kay.	
148			<b>tornatus</b> Gould. <i>Murex despectus</i> Linn.	
148	xxxvi	339	<b>bamfus</b> Montagu. <i>Murex bamfus</i> Montagu.	
148			<b>bicolor</b> Say, e. l.	Florida.
149			<b>muricatus</b> Gould, e. l.	Northern coast.
149	xxxvi	340	<b>turriculus</b> Gould, e. l.	
149	vi	113	<b>Pleurotoma bicarinata</b> Couth.	
150	xxxvi	344	<b>decussata</b> Couth.	
150	vi	120	<b>plicata</b> Adams.	
151	viii	177	<b>Rostellaria occidentalis</b> Guérin, e. l.	Maine.
<b>Conidæ.</b>				
151			<b>Conus mus</b> Lam., e. l.	Florida Keys.
151			<b>leucostrictus</b> Gmelin, e. l.	
<b>Mitriadæ.</b>				
152	vii	158	<b>Terebra dislocata</b> Say, e. l. <i>Cerithium dislocatum</i> Say. <i>T. Petitii</i> Kiener.	Md. & S'n coast.
152	vii	157	<b>Oliva literata</b> Lam., e. l. <i>O. mutica</i> Say.	Southern coast.
152	vii	159	<b>Marginella carnea</b> Storer, e. l.	Key West.
<b>Cryptostomidæ.</b>				
153	vii	156 a, b	<b>Sigaretus perspectivus</b> Say.	
153			<b>hallotoideus</b> Gould, e. l. <i>S. oxinoë</i> Couth.	Massachusetts.
153			<b>maculatus</b> Say, e. l.	Southern coast.
154	xxiii	254	<b>Velutina lævigata</b> Linn. <i>Helix lævigata</i> Linn. <i>V. capuloidea</i> Blainville. <i>rupicola</i> Conrad. <i>Galericulum lævigatum</i> Brown.	

Page.	Plate.	Fig.	Name.	Locality.
154	xxiii	253	<b>Velutina zonata</b> Gould. <i>Galericulum ovatum</i> Couth.?	
<b>SCUTIBRANCHIA.</b>				
<b>Calyptriadæ.</b>				
155	vii	155 a, b	<b>Calyptra striata</b> Say.	
156	ix	195	<b>Cemoria Noachina</b> Linn. <i>Patella Noachina</i> Linn. <i>C. Flemingii</i> Leach. <i>Rimula Noachina</i> Couth.	
156			<b>alternata</b> Say? e. l. <i>Fissurella alternata</i> Say.	Coast of U. S.
157	vii	152-4	<b>Crepidula fornicata</b> Linn. <i>Patella fornicata</i> Linn.	
158	vii	153 a, b	<b>plana</b> Say. <i>C. unguiformis</i> Lam.?	
158	vii	131	<b>convexa</b> Say.	
159			<b>glauca</b> Say.	
159			<b>depressa</b> Say, e. l.	Southern coast.
159			<b>intorta</b> Say? e. l.	Southern coast.
<b>CIRROBRANCHIA.</b>				
<b>Dentalidæ.</b>				
160	x	197	<b>Dentalium dentalis</b> Linn.	
161			<b>attenuatum</b> Say, e. l.	Maryland.
<b>CYCLOBRANCHIA.</b>				
<b>Patellidæ.</b>				
161			<b>Patella candida</b> Couth.	
162	ix	196	<b>Patelloidea testudinalis</b> Müller. <i>Patella amana</i> Say. <i>testudinalis</i> Lea. <i>Lottia testudinalis</i> Gould.	
162	ix	194	<b>alveus</b> Conrad. <i>Patella alveus</i> Conrad. <i>Lottia alveus</i> Gould.	
<b>Chitonidæ.</b>				
163	x	200	<b>Chiton albus</b> Montagu. <i>C. sagrinatus</i> Couth. <i>aselloides</i> Lowe.	
164	x	201-2	<b>apiculatus</b> Say. <i>C. pectinatus</i> Gould.	
164			<b>marginatus</b> Pennant, e. l.	Massachusetts.

Page.	Plate.	Fig.	Name.	Locality.
165	x	199	<b>Chiton fulminatus</b> <i>Couth.</i> , e. l.	Massachusetts.
165			<b>ruber</b> <i>Lowe</i> , e. l.	Massachusetts.
165	x	198	<b>Emersonii</b> <i>Couth.</i> , e. l.	Mass. bay.
<b>ACEPHALA.</b>				
<b>BRACHIOFODA.</b>				
<b>Terebratulidæ.</b>				
167	xxxiv	321	<b>Terebratula caputserpentis</b> <i>Lin.</i> , e. l.	Me. & Mass.
			<i>T. septentrionalis</i> <i>Couth.</i>	
167	xxxiv	322	<b>psittacea</b> <i>Gmelin</i> , e. l.	Massachusetts.
			<b>thalassina</b> <i>Gould</i> , e. l. [no description].	
<b>LAMELLIBRANCHIA.</b>				
<b>Ostracidæ.</b>				
168	xii	209	<b>Anomia ephippium</b> <i>Linn.</i>	
			<i>A. patellaris</i> <i>Lam.</i>	
168	xii	210	<b>aculeata</b> <i>Gmelin.</i>	
168			<b>electrica</b> , e. l. [not described].	Massachusetts.
168			<b>squamula</b> , e. l. [not described].	Massachusetts.
169	x	203-4	<b>Ostrea borealis</b> <i>Lam.</i>	
			<i>O. virginica</i> <i>Lam.</i>	
			<i>Canadensis</i> <i>Lam.</i>	
171			<b>semicylindrica</b> <i>Say</i> , e. l.	Ga. & Florida.
171			<b>equestris</b> <i>Say.</i>	S. C. & Florida.
<b>Pectinidæ.</b>				
172	xi	205	<b>Pecten concentricus</b> <i>Say.</i>	
			<i>P. lineolaris</i> <i>Lam.</i> ?	
173	xi	206	<b>Islandicus</b> <i>Müller.</i>	
			<i>Ostrea Islandica</i> <i>Müller.</i>	
			<i>P. Pealeii</i> <i>Conrad.</i>	
173	xi	207 A, B	<b>Magellanicus</b> <i>Gmelin.</i>	
			<i>Ostrea Magellanica</i> <i>Gmelin.</i>	
174			<b>purpuratus</b> <i>Lam.</i> , e. l.	Southern coast.
			<i>P. dislocatus</i> <i>Say.</i>	
174			<b>ornatus</b> <i>Lam.</i> , e. l.	Florida.
174			<b>nodosus</b> <i>Lam.</i> , e. l.	Florida.
174			<b>varius</b> <i>Turton</i> , e. l.	Northern coast.
174			<b>Plicatula ramosa</b> <i>Lam.</i> , e. l.	
175			<b>Lima squamosa</b> <i>Lam.</i> , e. l.	Florida.
175	xi	208	<b>glacialis</b> <i>Lam.</i> , e. l.	Florida.
<b>Aviculidæ.</b>				
175			<b>Avicula Atlantica</b> <i>Lam.</i> , e. l.	Southern coast.
			<i>A. hirundo</i> <i>Say.</i>	

## Arcadise.

Page.	Plate.	Fig.	Name.	Locality.
176	xii	211	<i>Arca pexata</i> Say.	
177	xii	212	<i>transversa</i> Say.	
177			<i>ponderosa</i> Say, e. l.	Southern coast.
177			<i>incongrua</i> Say, e. l.	Southern coast.
178	xii	217 a, b	<i>Nucula thraciæformis</i> Storer.	
179	xii	216	<i>radiata</i> De Kay.	
179	xii	215	<i>proxima</i> Say.	
180	xiii	221 a, b	<i>Gouldi</i> De Kay.	
180	xiii	219	<i>myalis</i> Couth., e. l.	Northern coast.
180	xiii	218	<i>limatula</i> Say, e. l.	Maine & Mass.
180	xiii	220	<i>sapotilla</i> Gould, e. l.	Northern coast.
180			<i>navicularis</i> Couth., e. l.	
181			<i>tenuis</i> Gould, e. l.	
181	xii	213	<i>minuta</i> Gould, e. l.	
			<i>N. tenuisulcata</i> Couth.	
181			<i>acuta</i> Conrad, e. l.	Virginia.

## Mytilidæ.

182	xiii	222	<i>Mytilus borealis</i> Lam.	
			<i>M. edulis</i> Gould.	
182	xiii	223	<i>notatus</i> De Kay.	
183	xxiv	256	<i>pellucidus</i> Pennant.	
			<i>M. edulis</i> var. <i>pellucidus</i> Gould.	
183			<i>incurvatus</i> Lam., e. l.	Northern shores.
			an <i>M. borealis</i> var. ?	
183			<i>ungulatus</i> Linn., e. l.	
183			<i>cubitus</i> Say, e. l.	Seacoast.
183			<i>lateralis</i> Say, e. l.	Southern coast.
183			<i>hamatus</i> Say, e. l.	Southern coast.
			<i>M. striatus</i> Barnes.	
184			<i>leucopheatus</i> Conrad, e. l.	Southern coast.
184	xxiv	258	<i>Modiola plicatula</i> Lam.	
			<i>M. semicostata</i> Conrad.	
185	xxiv	257	<i>modiolus</i> Linn.	
			<i>Mytilus modiolus</i> Linn.	
			<i>Modiola papuana</i> Lam.	
185			<i>pectinula</i> Gould, e. l.	St. George's b'ks.
185			<i>nexa</i> Gould, e. l.	Massachusetts.
185			<i>discrepans</i> Montagu, e. l.	Massachusetts.
185			<i>discors</i> Montagu, e. l.	Massachusetts.
186			<i>Carolinensis</i> Conrad, e. l.	Charleston, S. C.
186			<i>Americana</i> Leach, e. l.	Southern coast.
186			<i>castanea</i> Say, e. l.	Southern coast.

Page.	Plate.	Fig.	Name.	Locality.
186	xxii	248	<b>Crenella decussata</b> <i>Laskey &amp; Montagu.</i> <i>Mytilus decussatus</i> Laskey & Montagu. <i>Modiola glandula</i> Totten.	
187			<b>Pinna seminuda</b> Lam., e. l.	Southern coast.
187			<b>muricata</b> Lam., e. l.	Southern coast.
<b>Unionidæ.</b>				
188	xxii	246	<b>Unio complanatus</b> <i>Solander.</i> <i>Mya complanata</i> Solander. <i>U. purpureus</i> Say.	
189			<b>Boydianus</b> <i>Lea.</i>	
189	xviii	236	<b>radiatus</b> <i>Gmelin.</i> <i>Mya radiata</i> Gmelin.	
190			<b>ventricosus</b> <i>Barnes.</i> <i>U. occidens</i> Lea ?	
190	xx	241	<b>luteolus</b> <i>Lam.</i> <i>U. siliquoides</i> Barnes. <i>infatus</i> Barnes.	
191	xxi	245	<b>compressus</b> <i>Lea.</i> <i>Symphynota compressa</i> Lea.	
191	xx	239	<b>nasutus</b> <i>Say.</i> <i>U. rostratus</i> Valenciennes.	
192	xxxix	355-6; xl 357	<b>Unio rosaceus</b> <i>De Kay.</i>	
193	xix	237-38	<b>Unio ochraceus</b> <i>Say.</i> <i>Symphynota ochracea</i> Lea.	
193	xxi	243-44	<b>cariosus</b> <i>Say.</i> <i>U. orata</i> Valenciennes.	
194	xx	240	<b>Novi-eboraci</b> <i>Lea.</i>	
194	xx	242	<b>Tappanianus</b> <i>Lea.</i>	
195			<b>alatus</b> <i>Say.</i>	
195			<b>rectus</b> <i>Lea.</i> <i>U. praelongus</i> Barnes.	
196	xiv	226	<b>Alasmodonta rugosa</b> <i>Barnes.</i> <i>Margaritana rugosa</i> Lea.	
196	xiv	225	<b>marginata</b> <i>Say.</i> <i>Monodonta marginata</i> Say. <i>Margaritana marginata</i> Lea.	
197	xiv	224	<b>arcuata</b> <i>Barnes.</i> <i>Margaritana margaritifera</i> Lea.	
198	xv	227	<b>undulata</b> <i>Say.</i> <i>Margaritana undulata</i> Lea.	
198	xxiv	259	<b>corrugata</b> <i>De Kay.</i>	
199	xv	228	<b>Anodon unadilla</b> <i>De Kay.</i>	
200	xvi	229	<b>subcylindracea</b> <i>Lea.</i>	
200	xvi	230	<b>Ferussaciana</b> <i>Lea.</i>	

NORTH AMERICAN CONCHOLOGY.

Page.	Plate.	Fig.	Name.	Locality
201	xvi	231	<b>Anodon edentula</b> Say. <i>Alasmodonta edentula</i> Say. <i>Anodon areolatus</i> Swainson.	
201	xvii	232	<b>plana</b> Lea.	
202	xvii	233	<b>excurvata</b> De Kay.	
202			<b>implicata</b> Say. <i>A. Newtoniensis</i> Lea. <i>marginata</i> Say (young).	
203	xviii	234	<b>fluvialilis</b> Dilwyn. <i>A. cataracta</i> Say.	
203	xi	358	<b>pavonia</b> Lea.	
204	xviii	235	<b>Benedictensis</b> Lea. <i>Symphynota Benedictensis</i> Lea.	
<b>Cardidæ.</b>				
204	xxii	247	<b>Carditæborealis</b> Conrad. <i>Venericardia cibraria</i> Say?	
205			<b>incrassata</b> Conrad, e. l.	Florida.
205			<b>tridentata</b> Say, e. l.	South Ca
			<i>Venericardia tridentata</i> Say.	
205	xxii	249	<b>Cardium pinnulatum</b> Conrad.	
206	xxiii	252	<b>Islandicum</b> Linn. <i>C. pubescens</i> Couth.	
206	xxiii	250	<b>Greenlandicum</b> Gmelin. <i>Aphrodita columba</i> Lea.	
207	xxiii	251	<b>Mortoni</b> Conrad.	
207			<b>fasciatum</b> Montagu, e. l.	
207			<b>muricatum</b> Linn., e. l.	S. C. & F
207			<b>ventricosum</b> Bruguiere, e. l.	South Ca
<b>Chamidæ.</b>				
208			<b>Chama arcinella</b> Lam., e. l.	Florida.
<b>CONCHIFERA.</b>				
<b>Tellinidæ.</b>				
209	xxvi	271	<b>Tellina tenera</b> Say.	
209	xxvi	272	<b>versicolor</b> Cozzens.	
210			<b>tenta</b> Say.	
210			<b>lateralis</b> Say, e. l.	Seacoast.
210			<b>polita</b> Say, e. l.	Southern
210			<b>iris</b> Say, e. l.	Southern
210			<b>flexuosa</b> Say, e. l.	Southern
211			<b>interstriata</b> Say, e. l.	East Flor
211			<b>alternata</b> Say, e. l.	Ga. & E.
211			<b>decora</b> Say, e. l.	East Flor
211			<b>mera</b> Say, e. l.	

Page.	Plate.	Fig.	Name.	Locality.
211	xxiii	255	<b>Donax fossor</b> Say.	
212			<i>variabilis</i> Say, e. l.	Ga. & Florida.
212			<i>elevata</i> Hald., e. l.	New Orleans.
212	xxv	260	<b>Capsa lævigata</b> Conrad, e. l.	Florida.
212			<i>deflorata</i> Conrad, e. l.	Florida.
212	xxxii	304	<b>Sanguinolaria fusca</b> Say.	
			<i>Psammobia fusca</i> Say.	
213	xxxii	305	<b>sordida</b> Couth.	
			<i>Tellina sordida</i> Couth.	
213			<i>lusoria</i> Say, e. l.	N. J. to Florida.
			<i>Psammobia lusoria</i> Say.	
213			<i>rugosa</i> Lam., e. l.	Florida.
214	xxvi	273	<b>Lucina divaricata</b> Linn.	
			<i>Tellina divaricata</i> Linn.	
			<i>Strigilla divaricata</i> Turton.	
214	xxvi	274	<i>radula</i> Montagu, e. l.	Northern coast.
214	xxvii	275	<i>contracta</i> Say, e. l.	Rhode Island.
214			<i>flexuosa</i> Montagu, e. l.	Northern coast.
<b>Veneridæ.</b>				
215	xxvi	268-69	<b>Cyprina Islandica</b> Linn.	
			<i>Venus Islandica</i> Linn.	
216	xxvii	279	<b>Cytherea convexa</b> Say.	
			<i>occulta</i> Say, e. l.	Southern States.
216			<i>concentrica</i> Lam., e. l.	Va. to Florida.
216			<i>gigantea</i> Lam., e. l.	Southern States.
217	xxvii	276	<b>Venus mercenaria</b> Linn.	
218	xxvii	278	<i>notata</i> Say.	
218	xxvii	277	<i>gemma</i> Totten.	
219			<i>præparca</i> Say.	
			<i>V. notata</i> (var. ?) Gould.	
219			<i>inequalis</i> Say, e. l.	N. J. & Maryland.
219			<i>elevata</i> Say, e. l.	Southern Coast.
219			<i>Mortoni</i> Conrad, e. l.	Coast of N. & S. C.
220			<i>fluctuosa</i> Gould, e. l.	
220	xxviii	280	<b>Astarte castanea</b> Say.	
			<i>Venus castanea</i> Say.	
			<i>Crassina castanea</i> Conrad.	
			var. <i>picea</i> .	
			var. <i>procera</i> .	
221	xxviii	281	<i>sulcata</i> Montagu.	
			<i>Venus sulcata</i> Montagu.	
			<i>Crassina sulcata</i> Turton.	
			<i>Astarte Danmoniensis</i> Totten.	
221			<i>lactea</i> Broderip & Sowb., e. l.	Grand Banks.
221			? <i>quadrans</i> Gould, e. l.	Massachusetts.

**Cycladæ.**

Page.	Plate.	Fig.	Name.	Locality.
222	xxv	264-65	<b>Cyclas similis Say.</b> <i>C. Saratogea et sulcata</i> Lam.	
223	xxv	261	<i>dubia</i> Say. <i>S. striatina</i> Lam.	
223	xxv	262	<i>partumela</i> Say. <i>C. corneus</i> (var. 2, 3.) Lam.	
224	xxv	263	<i>rhomboldea</i> Say.	
224			<i>elegans</i> Adams.	
225			<i>edentula</i> Say.	
225			<i>transversa</i> Say, e. l.	Kentucky.
225			<i>staminea</i> Conrad, e. l.	
225			<i>elevata</i> Hald., e. l.	New Orleans.
226			<i>Pisidium abruptum</i> Hald., e. l.	Elk river, Md.
226			<i>abditum</i> Hald., e. l.	Lancaster Co., Pa.
226	xxv	266	<b>Cyrena Carolinensis Bosc., e. l.</b>	Carolina.

**Saxicavidæ.**

227	xxxiii	309 a, b	<b>Saxicava distorta Say.</b>	
228	xxviii	282	<b>Petricola pholadiformis Lam.</b> <i>Petricola fornicata</i> Say.	
228	xxviii	283	<i>dactylus</i> Sowerby.	

**Mactridæ.**

229	xxix	286	<b>Mactra solidissima Chemnitz.</b> <i>M. gigantea</i> Lam. <i>Spissula gigantea</i> Gray.	
230	xxix	287	<i>lateralis</i> Say. <i>Mulinia lateralis</i> Gray.	
230			<i>ovalls</i> Gould, e. l.	Northern coast.
230			<i>similis</i> Say, e. l.	R. I., N. Y.?
230			<i>fragilis</i> Chemnitz, e. l. <i>M. oblonga</i> Say.	Georgia.
231			<i>nuculus</i> Conrad, e. l.	New Jersey.
231	xxix	288 a, b	<b>Mesodesma arcata Conrad.</b> <i>Mactra arcata</i> Conrad. <i>deaurata</i> Conrad.	
231			<b>Mactra Jauresii Guérin, e. l.</b>	Grand Banks.
232	xxxi	298	<b>Lutraria canaliculata Say, e. l.</b>	Md. to Florida.
232			<i>lineata</i> Say, e. l. <i>L. papyratia</i> Conrad.	Ga. & Florida.
232			<b>Montacuta bidentata Montagu, e. l.</b>	New Bedford.
232			<b>Kellea rubra Turton, e. l.</b>	New Bedford.
233			<b>Cumingia tellinoides Conrad.</b> <i>Mactra tellinoides</i> Conrad.	



Page.	Plate.	Fig.	Name.	Locality.
233	xxv	267	<b>Gnathodon cuneatum</b> Sowerby, e. l.	Mobile.
233			<b>flexuosum</b> Conrad, e. l. [no description].	
<b>Anatinidæ.</b>				
234	xxxiii	311 a, b	<b>Osteodesma hyalina</b> Conrad. <i>Mya hyalina</i> Conrad. <i>Lyonsia hyalina</i> Conrad. <i>Amphidesma corbuloides</i> Mass. Cat., p. 25.	
235	xxxi	300	<b>Anatina papyracea</b> Say. <i>A. papyratia fragilis</i> Totten.	
236	xxxi	299, 301	<b>Cochlodesma Leana</b> Conrad. <i>Anatina Leana</i> Conrad.	
237	xxviii	284	<b>Thracia Conradi</b> Couth. <i>Thracia declivis</i> Conrad.	
237			<b>Amphidesma flexuosa</b> Lam., e. l.	Massachusetts.
237			<b>transversa</b> Say, e. l.	Long Isl. ? S. C.
237			? <b>punctata</b> Say, e. l.	Southern coast.
237			<b>orbiculata</b> Say, e. l.	Georgia.
238			<b>radiata</b> Say, e. l.	East Florida.
238			<b>lepida</b> Say, e. l.	South Carolina.
238			<b>æqualis</b> Say, e. l.	Southern coast.
<b>Myadæ.</b>				
239	xxxiii	310	<b>Pandora trilineata</b> Say. <i>P. nasuta</i> Sowerby.	
240	xxx	290	<b>Mya arenaria</b> Linn. <i>M. mercenaria</i> Say.	
240			<b>acuta</b> Say, e. l.	Southern coast.
240	xxix	289	<b>truncata</b> Linn., e. l.	Grand Banks.
241	xxviii	285	<b>Corbula contracta</b> Say.	
<b>Solenidæ.</b>				
242	xxxii	313	<b>Solen ensis</b> Lin.	
243	xxxiii	312	<b>viridis</b> Say, e. l.	Southern coast.
243	xxxii	307	<b>Lepton fabagella</b> Conrad, e. l.	Rhode Island.
243	xxxii	302	<b>Solecortus caribæus</b> Lam. <i>Solen caribæus</i> Lam.	
244			<b>fragilis</b> Montagu, e. l. <i>S. centralis</i> Say.	Mass., S'rn coast.
244	xxxii	301	<b>Machæra costata</b> Say. <i>Solen costatus</i> Say. <i>Solecortus costatus</i> Say.	
245			<b>nitida</b> Gould, e. l.	Massachusetts.
245	xxx	292	<b>Solemya velum</b> Say.	
246	xxx	291	<b>borealis</b> Totten, e. l.	Mass., R. I.

Page.	Plate.	Fig.	Name.	Locality.
246			<i>Panopæa arotica</i> Lam., e. l.	Grand Banks.
246	xxxiii	308	<i>Glycimeris siliqua</i> Lam., e. l.	Grand Banks.

**Pholidæ.**

247	xxxii	306	<i>Pholas crispata</i> Linn.	
248	xxxiv	223	<i>truncata</i> Say.	
248			<i>costata</i> Linn., e. l.	Massachusetts.
248			<i>cuneliformis</i> Say, e. l.	Southern coast.
248			<i>oblongata</i> Say, e. l.	Car., Ga., Fla.

**Teredinidæ.**

249	xxxiv	325	<i>Teredo navalis</i> Linn.	
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**TUNICATA.**

259			<i>Ascidia Manhattensis</i> De Kay.	
259			<i>rustica</i> Lam., e. l.	Northern coast.
259			<i>plicata</i> Lesueur, e. l.	Philadelphia.
259			<i>ovalis</i> Lesueur, e. l.	Philadelphia.
259			<i>lobifera</i> Lesueur, e. l.	Florida.
259			<i>proboscidea</i> Lesueur, e. l.	Florida.
259			<i>intestinalis</i> [no description].	Northern coast.
259			<i>microcosmus</i> [no description].	Nor. coast.
260	xxxiv	324	<i>Boltenia reniformis</i> McLeay.	
			<i>Ascidia clavata</i> Müll. ?	
			<i>globifera</i> Sabine.	

**Troost.**—Seventh Annual Report on the Geology of Tennessee:  
by G. TROOST, M. D. 1844.

**LIST OF SHELLS.**

Page.		Page.	
40	<i>Unio Æsopus</i> Green.	40	<i>Unio circulus</i> Lea.
40	<i>alatus</i> Say.	40	<i>cælatus</i> Conr.
40	<i>amœnus</i> Lea.	40	<i>clavus</i> Lam.
40	<i>anodontoides</i> Lea.	40	<i>Conradicus</i> Lea.
40	<i>arcæformis</i> Lea.	40	<i>Cooperianus</i> Lea.
40	<i>argenteus</i> Lea.	40	<i>cornutus</i> Barnes.
40	<i>asperrimus</i> Lea.	40	<i>crassidens</i> Lam.
40	<i>Barnesianus</i> Lea.	40	<i>crassus</i> Say.
40	<i>biangulatus</i> Lea.	40	<i>oreperus</i> Lea.
40	<i>Bigbyensis</i> Lea.	40	<i>Cumberlandicus</i> Lea.
40	<i>brevidens</i> Lea.	40	<i>cuneolus</i> Lea.
40	<i>capsæformis</i> Lea.	40	<i>cylindricus</i> Say.

Page.		Page.	
40	<b>Unio dactylus</b> <i>Lea.</i>	41	<b>Unio pectorosus</b> <i>Conr.</i>
40	<b>dehiscens</b> <i>Say.</i>	41	<b>perdix</b> <i>Lea.</i>
40	<b>dolabelloides</b> <i>Lea.</i>	41	<b>perplexus</b> <i>Lea.</i>
40	<b>dromas</b> <i>Lea.</i>	41	<b>personatus</b> <i>Say.</i>
40	<b>ebenus</b> <i>Lea.</i>	41	<b>phaseolus</b> <i>Hildr.</i>
40	<b>Edgarianus</b> <i>Lea.</i>	41	<b>pictus</b> <i>Lea.</i>
40	<b>elegans</b> <i>Lea.</i>	41	<b>pilaris</b> <i>Lea.</i>
40	<b>ellipsis</b> <i>Lea.</i>	41	<b>plicatus</b> <i>Les.</i>
40	<b>fabalis</b> <i>Lea.</i>	41	<b>pulcher</b> <i>Lea.</i>
40	<b>fatuus</b> <i>Lea.</i>	41	<b>pustulatus</b> <i>Lea.</i>
40	<b>foliatus</b> <i>Hildr.</i>	41	<b>pustulosus</b> <i>Lea.</i>
40	<b>fragosus</b> <i>Conr.?</i>	41	<b>pyramidatus</b> <i>Lea.</i>
40	<b>gibbosus</b> <i>Barnes.</i>	41	<b>Ravenellianus</b> <i>Lea.</i>
40	<b>gibber</b> <i>Lea.</i>	41	<b>rectus</b> <i>Lam.</i>
40	<b>glaber</b> <i>Lea.</i>	41	<b>regularis</b> <i>Lea.</i>
40	<b>glans</b> <i>Lea.</i>	41	<b>retusus</b> <i>Lam.</i>
40	<b>gracilis</b> <i>Barnes.</i>	41	<b>rubiginosus</b> <i>Lea.</i>
40	<b>Haysianus</b> <i>Lea.</i>	41	<b>securis</b> <i>Lea.</i>
40	<b>Holstonensis</b> <i>Lea.</i>	41	<b>simus</b> <i>Lea.</i>
40	<b>interruptus</b> <i>Lea.</i>	41	<b>Sowerbianus</b> <i>Lea.</i>
40	<b>iris</b> <i>Lea.</i>	41	<b>sparsus</b> <i>Lea.</i>
40	<b>irroratus</b> <i>Lea.</i>	41	<b>Stonensis</b> <i>Lea.</i>
40	<b>lachrymosus</b> <i>Lea.</i>	41	<b>subrotundus</b> <i>Lea.</i>
40	<b>lenior</b> <i>Lea.</i>	41	<b>subtentus</b> <i>Say.</i>
40	<b>lens</b> <i>Lea.</i>	41	<b>sulcatus</b> <i>Lea.</i>
41	<b>Lesueurianus</b> <i>Lea.</i>	41	<b>tener</b> <i>Lea.</i>
41	<b>lienosus</b> <i>Conr.?</i>	41	<b>Tennesseensis</b> <i>Lea.</i>
41	<b>Menkeianus</b> <i>Lea.</i>	41	<b>triangularis</b> <i>Barnes.</i>
41	<b>mcestus</b> <i>Lea.</i>	41	<b>trigonus</b> <i>Lea.</i>
41	<b>metanever</b> <i>Raf.</i>	41	<b>Troostensis</b> <i>Lea.</i>
41	<b>Muhlfeldtianus</b> <i>Lea.</i>	41	<b>tuberculatus</b> <i>Barnes.</i>
41	<b>multiplicatus</b> <i>Lea.</i>	41	<b>tuberosus</b> <i>Lea.</i>
41	<b>multiradiatus</b> <i>Lea.</i>	41	<b>undulatus</b> <i>Barnes.</i>
41	<b>mytiloides</b> <i>Raf.</i>	41	<b>Vanuxemensis</b> <i>Lea.</i>
41	<b>monodontus</b> <i>Say.</i>	41	<b>varicosus</b> <i>Lea.</i>
41	<b>Nashvillianus</b> <i>Lea.</i>	41	<b>ventricosus</b> <i>Barnes.</i>
41	<b>nitens</b> <i>Lea.</i>	41	<b>verrucosus</b> <i>Barnes.</i>
41	<b>notatus</b> <i>Lea.</i>	41	<b>Zeiglerianus</b> <i>Lea.</i>
41	<b>obscurus</b> <i>Lea.</i>	41	<b>zig-zag</b> <i>Lea.</i>
41	<b>occidens</b> <i>Lea.</i>	41	<b>Margaritana complanata</b>
41	<b>ochraceus</b> <i>Say?</i>		<i>Lea.</i>
41	<b>orbiculatus</b> <i>Hildr.?</i>	41	<b>Curreyana</b> <i>Lea.</i>
41	<b>ovatus</b> <i>Say.</i>	41	<b>deltoides</b> <i>Lea.</i>
41	<b>parvus</b> <i>Barnes.</i>	41	<b>fabula</b> <i>Lea.</i>
41	<b>patulus</b> <i>Lea.</i>	41	<b>Holstonia</b> <i>Lea.</i>

NORTH AMERICAN CONCHOLGY.

Page.		Page.	
41	<i>Margaritana marginata</i> Lea.	42	<i>Melania globula</i> Lea.
41	<i>Ravenelliana</i> Lea.	42	<i>gracilis</i> Lea.
41	<i>rugosa</i> Lea.	42	<i>Holstonia</i> Lea.
41	<i>Anodonta argentea</i> Lea.	42	<i>monozonalis</i> Lea.
41	<i>Harpethensis</i> Lea.	42	<i>nitens</i> Lea.
41	<i>marginata</i> Lea.	42	<i>nodulosa</i> Lea.
42	<i>Melania acuta</i> Lea.	42	<i>obtusa</i> Lea.
42	<i>acuto-carinata</i> .	42	<i>Ocoenalis</i> Lea.
42	<i>armigera</i> Say.	42	<i>pilula</i> Lea.
42	<i>blanda</i> Lea.	42	<i>plicatula</i> Lea.
42	<i>caliginosa</i> Lea.	42	<i>regularis</i> Lea.
42	<i>castanea</i> Lea.	42	<i>rufa</i> Lea.
42	<i>Cincinnatiensis</i> Lea.	42	<i>sordida</i> Lea.
42	<i>circincta</i> Lea.	42	<i>spixiana</i> Lea.
42	<i>clavæformis</i> Lea.	42	<i>striata</i> Lea.
42	<i>columella</i> Lea.	42	<i>strigosa</i> Lea.
42	<i>concinna</i> Lea.	42	<i>subcylindracea</i> Lea.
42	<i>corrugata</i> Lea.	42	<i>subglobosa</i> Lea.
42	<i>costulata</i> Lea.	42	<i>subsolida</i> Lea.
42	<i>crebricostata</i> Lea.	42	<i>sulcosa</i> Lea.
42	<i>Curreyana</i> Lea.	42	<i>tenebrosa</i> Lea.
42	<i>decora</i> Lea.	42	<i>terebialis</i> Lea.
42	<i>dubiosa</i> Lea.	42	<i>teres</i> Lea.
42	<i>Duttoniana</i> Lea.	42	<i>Troostiana</i> Lea.
42	<i>ebenum</i> Lea.	42	<i>venusta</i> Lea.
42	<i>Edgariana</i> Lea.	42	<i>virgata</i> Lea.
42	<i>elongata</i> Lea.	42	<i>Io fusiformis</i> Lea.
42	<i>exarata</i> Lea.	42	<i>spinosa</i> Lea.
42	<i>fuliginosa</i> Lea.	42	<i>Polygyra Dorfeulliana</i>
42	<i>fusiformis</i> Lea.	42	<i>Troostiana</i> Lea.

**Plummer.**—Scraps in Natural History (Mollusca): by JOHN T. PLUMMER. (Amer. Journ. Sci. and Art, O. S., xlviii, No. 1, pp. 93-96. Oct.-Dec. 1844.)

Together with notes on the habits of Mollusks, is the following list of the shells about Richmond, Wayne Co., Indiana:—

Page.		Page.	
95	<i>Helix albolabris</i> Say.	95	<i>Helix fallax</i> Say.
95	<i>arborea</i> Say.	95	<i>fraterna</i> Say.
95	<i>alternata</i> Say.	95	<i>fuliginosa</i> Griff.
95	<i>clau</i> Say.	95	<i>hirsuta</i> Say.
95	<i>el</i> Say.	95	<i>inflecta</i> Say.

Page.		Page.	
95	<i>Helix ligera</i> Say.	96	<i>Paludina limosa</i> Say.
95	<i>multilineata</i> Say.	96	<i>lapidaria</i> Say.
95	<i>palliata</i> Say.	96	<i>Physa heterostropha</i> Say.
95	<i>perspectiva</i> Say.	96	<i>gyrina</i> Say.
95	<i>profunda</i> Say.	96	<i>Limnea elodes</i> Say.
95	<i>solitaria</i> Say.	96	<i>Melania exilis</i> Hald.
95	<i>tridentata</i> Say.	96	<i>Succinea obliqua</i> Say ( <i>cam-</i> <i>pestris</i> ).
95	<i>thyroides</i> Say.	96	<i>Anodonta Ferrussaciana</i> Lea.
95	<i>zaleta</i> Say.	96	<i>Cycolas similis</i> Say.
95	<i>Limax</i> — ?	96	<i>Alasmodonta edentula</i> Say.
95	<i>Plagorbis bicarinatus</i> Say.	96	<i>calceola</i> Lea.
95	<i>parvus</i> Say.		
95	<i>trivolvus</i> Say.		

**Linsley.**—Catalogue of the Shells of Connecticut: by the late JAMES H. LINSLEY. (Amer. Journ. Sci. and Art, O. S., vol. xviii, No. 2, pp. 271–286. Jan.–March, 1845. Same in pamphlet form, p. 1 being same as p. 271 of the Journal and so on.)

[No descriptions are given, but references to works and habitat. I omit Annulata and Cirripeda.—W. G. B.]

Page.		Page.	
273	<i>Teredo navalis</i> Linn.	274	<i>Maetra lateralis</i> Say.
273	— (n. sp.)	274	<i>quadrangulata</i> Linsley. (Conn. to Georgia.)
273	<i>Pholas crispata</i> Linn.	274	<i>Solemya borealis</i> Totten.
273	<i>cuneiformis</i> Say.	274	<i>velum</i> Say.
273	<i>truncata</i> Say.	274	<i>Mesodesma arctata</i> Gould. <i>Maetra arctata</i> Conr.
274	<i>Solen ensis</i> Linn.	274	<i>Montacuta bidentata</i> Mont.
274	<i>viridis</i> Say.	275	<i>Amphidesma æquale</i> Say.
274	<i>Solecurtus Caribæus</i> Lam.	275	<i>Kellia rubra</i> Turton.
274	( <i>Machæra</i> ) <i>costatus</i> Gould.	275	<i>Corbula contracta</i> Say.
274	<i>fragilis</i> Conr.	275	<i>Pandora trilineata</i> Say.
274	<i>Mya arenaria</i> Linn. ( <i>mercenaria</i> Say.)	275	<i>Saxicava distorta</i> Say.
274	<i>subtruncata</i> Linsley.	275	<i>Petricola dactylus</i> .
274	<i>Anatina papyracea</i> Say.	275	<i>pholadiformis</i> Lam.
274	<i>Thracia truncata</i> Michels.	275	<i>Sanguinolaria fusca</i> Conr.
274	<i>Osteodesma hyalina</i> Conr.	275	<i>sordida</i> Couth.
274	<i>Cochlodesma Leana</i> Conr.	275	<i>Tellina Balthica</i> Linn. <i>Sanguinolaria fusca</i> .
274	<i>Cumingia tellinoides</i> Conr.	275	<i>solidula</i> Solund.
274	<i>Maetra similis</i> Say.	275	<i>tenera</i> Say.
274	<i>solidissima</i> Chemn. <i>M. gigantea</i> Lam.	275	<i>tenta</i> Say.

Page.		Page.	
275	<i>Tellina versicolor</i> Cozzens.	277	<i>Anodonta areolata</i> Swains.
275	<i>Lucina flexuosa</i> Mont.	277	<i>fluviatilis</i> Dillwyn.
275	<i>radula</i> Mont.	277	<i>Housatonica</i> Linsley.
275	<i>Astarte castanea</i> Say.	277	<i>implicata</i> Say.
275	<i>mactracea</i> Linsley.	277	<i>marginata</i> Say.
	(With a wood-cut.)	277	<i>undulata</i> Say.
275	<i>quadrans</i> Gould.	277	<i>subcylindracea</i> Lea.
275	<i>sulcata</i> Mont.	277	<i>Modiola discors</i> Lam.
276	<i>Cyclas dubia</i> Say.	278	<i>glandula</i> Totten.
276	<i>elegans</i> Adams.	278	<i>modiolus</i> Turton.
276	<i>minor</i> Mighels.	278	<i>nexa</i> Gould.
276	<i>nitida</i> Mighels.	278	<i>plicatula</i> Lam.
276	<i>orbicularia</i> Barratt.	278	<i>Mytilus edulis</i> Linn.
276	<i>partumela</i> Say.	278	<i>striatus</i> De Kay.
276	<i>rhomboidea</i> Say.		<i>M. pellucidus</i> Pennant.
276	<i>similis</i> Say.	278	<i>Pecten concentricus</i> Say.
276	<i>truncata</i> Linsley.	278	<i>Islandicus</i> Chemn.
276	<i>Cyprina Islandica</i> Lam.	278	<i>fuscus</i> Linsley.
276	<i>Cytherea convexa</i> Say.	278	<i>Ostrea borealis</i> Lam.
276	<i>morrhua</i> Linsley.	278	<i>oostata</i> De Kay.
276	<i>Venus gemma</i> Totten.	278	<i>Virginica</i> Gmel.
276	<i>mercenaria</i> Say.	278	<i>Anomia aculeata</i> Gmel.
276	<i>notata</i> Say.	278	<i>electrica</i> Linn.
276	<i>Cardium Groenlandicum</i>	278	<i>ephippium</i> Linn.
	Chemn.	278	<i>squamula</i> Linn.
276	<i>Mortoni</i> Conr.	278	<i>Chiton fulminatus</i> Couth.
276	<i>pinnulatum</i> Conr.		<i>C. lævigatus</i> Fleming?
276	<i>Cardita borealis</i> Conr.	278	<i>ruber</i> Lowe.
276	<i>Arca pexata</i> Say.	278	<i>Patella</i> ——— ?
276	<i>transversa</i> Say.	279	<i>Lottia alveus</i> Conr.
276	<i>Nucula limatula</i> Say.	279	<i>testudinalis</i> Müller.
277	<i>proxima</i> Say.	279	<i>Crepidula alata</i> Lea.
277	<i>sapotilla</i> Gould.	279	<i>convexa</i> Say.
277	<i>tenuis</i> Turton.	279	<i>depressa</i> Say.
277	<i>Unio cariosus</i> Say.	279	<i>fornicata</i> Lam.
277	<i>complanatus</i> Solander.	279	<i>glauca</i> Say.
277	<i>compressus</i> Lea.	279	<i>plana</i> Say.
277	<i>heterodon</i> Lea.	279	<i>Ancylus fuscus</i> Adams.
277	<i>nasutus</i> Say.	279	<i>rivularis</i> Say.
277	<i>ochraceus</i> Say.	279	<i>tardus</i> Say.
277	<i>Pequottinus</i> Linsley.	279	<i>Bulla debilis</i> Gould.
277	<i>radiatus</i> Barnes.	279	<i>insculpta</i> Totten.
277	<i>Alasmodonta arouata</i> Barn.	279	<i>obstricta</i> Gould.
277	<i>marginata</i> Say.	279	<i>oryza</i> Totten.
277	<i>undulata</i> Say.	279	<i>triticea</i> Couth.

- | Page. |                                 | Page. |                                  |
|-------|---------------------------------|-------|----------------------------------|
| 279   | <b>Limax campestris</b> Binney. | 281   | <b>Cyolostoma lapidaria</b> Say. |
| 279   | <i>marmorata</i> De Kay.        | 281   | <b>Planorbis armigerus</b> Say.  |
| 279   | <i>tunicata</i> Gould.          | 281   | <i>bicarinatus</i> Say.          |
|       | <i>L. agrestis</i> Linn.        | 281   | <i>campanulatus</i> Say.         |
| 279   | <b>Helix albilabris</b> Say.    | 281   | <i>deflectus</i> Say.            |
|       | <i>alternata</i> Say.           | 282   | <i>dilatatus</i> Gould.          |
| 280   | <i>arborea</i> Say.             | 282   | <i>elevatus</i> Adams.           |
| 280   | <i>chersina</i> Say.            | 282   | <i>exacutus</i> Say.             |
| 280   | <i>cellaria</i> Müller.         | 282   | <i>hirsutus</i> Gould.           |
| 280   | <i>electrina</i> Gould.         | 282   | <i>lentus</i> Say.               |
| 280   | <i>fraterna</i> Say.            | 282   | <i>obliquus</i> De Kay.          |
| 280   | <i>fuliginosa</i> Griffiths.    | 282   | <i>parvus</i> Say.               |
| 280   | <i>gularis</i> Say.             | 282   | <i>trivolvus</i> Say.            |
| 280   | <i>hirsuta</i> Say.             | 282   | <b>Physa aurea</b> Lea =         |
| 280   | <i>indentata</i> Say.           |       | <i>heterostropha</i> var.        |
| 280   | <i>lineata</i> Say.             | 282   | <i>elongata</i> Say.             |
| 280   | <i>labyrinthica</i> Say.        |       | <i>P. hypnorum</i> Linn.         |
| 280   | <i>minuscula</i> Binney.        | 282   | <i>heterostropha</i> Say.        |
| 280   | <b>Trumbullii</b> Linsley.      | 282   | <i>Sayi</i> Tappan               |
|       | (With a description.)           |       | <i>ancillaria</i> var.           |
|       | <i>Margarita arctica</i> ? Eds. | 282   | <b>Lymnæa caperata</b> Say.      |
| 280   | <b>monodon</b> Rackett.         |       | <i>L. umbilicata</i> Adams.      |
| 280   | <b>pulchella</b> Müller.        | 282   | <i>chalybea</i> Gould.           |
| 280   | <b>Sayii</b> Binney.            | 282   | <i>columella</i> Say.            |
| 280   | <i>suppressa</i> Say.           | 282   | <i>decollata</i> Mighels.        |
| 280   | <i>striatella</i> Anthony.      | 282   | <i>desidiosa</i> Say.            |
| 280   | <i>subglobosa</i> ? Binney.     | 282   | <i>elodes</i> Say.               |
| 280   | <i>tridentata</i> Say.          | 282   | <i>emarginata</i> Say.           |
| 280   | <b>upa contracta</b> Say.       | 282   | <i>Linsleyi</i> De Kay.          |
| 280   | <i>corticaria</i> Say.          |       | (With a description).            |
| 280   | <i>pentodon</i> Say.            | 282   | <i>macrostoma</i> Say.           |
| 281   | <i>exigua</i> Say.              | 283   | <i>modicellus</i> Say.           |
| 281   | <i>fallax</i> Say.              |       | <i>L. humilis</i> Hald.          |
|       | <i>Cyolostoma marginata</i> S.  | 283   | <b>Valvata pupoidea</b> Gould.   |
| 281   | <i>Gouldii</i> Binney.          | 283   | <i>tricarinata</i> Say.          |
| 281   | <i>milium</i> Gould.            | 283   | <i>unicarinata</i> De Kay.       |
| 281   | <i>modesta</i> Say.             | 283   | <b>Paludina decisa</b> Say.      |
| 281   | <i>ovata</i> Say.               | 283   | <i>integra</i> Say.              |
| 281   | <i>simplex</i> Gould.           |       | <i>P. microstoma</i> Kirtland.   |
| 281   | <b>Bulinus lubricus</b> Brug.   | 283   | <i>lustrica</i> ? Say.           |
| 281   | <b>Succinea avara</b> Say.      |       | <i>Ammicola</i> Gould.           |
| 281   | <i>campestris</i> Say.          | 283   | <b>Ammicola Cincinnatiensis</b>  |
| 281   | <i>ovalis</i> Say.              | 283   | <i>grana</i> Say. [Anthony.      |
| 281   | <b>Auricula bidentata</b> Say.  | 283   | <i>porata</i> Say.               |
| 281   | <i>denticulata</i> Mont.        | 283   | <i>pallida</i> Hald.             |

Page.		Page.	
283	<i>Natica duplicata</i> Say.	284	<i>Odostomia trifida</i> Gould. <i>Actæon</i> Totten.
283	<i>flava</i> Gould.	284	<i>Cerithium nigroinctum</i> Adams.
283	<i>heros</i> Say.	285	<i>Say</i> Menke.
283	<i>immaculata</i> Totten.	285	<i>Pleurotoma bicarinata</i> Cou.
283	<i>triseriata</i> Say.	285	<i>Fasciolaria ligata</i> Mighels & Adams.
283	<i>Tornatella puncto-striata</i> Adams.	285	<i>Fusus borealis</i> De Kay.
283	<i>Vermetus lumbricalis</i> Lam.	285	<i>corneus</i> Say (young).
283	<i>Scalaria clathrus</i> Say.	285	<i>imbricatus</i> De Kay.
283	<i>Margarita obscura</i> Couth.	285	<i>harpularius</i> ? Couth.
283	<i>Turbo multilineatus</i> DeKay.	285	<i>Trumbullii</i> Linsley. (With desc. & wood-cut.)
284	<i>Lacuna neritoidea</i> Gould.	285	<i>Pyrula canaliculata</i> Brug.
284	<i>vinota</i> Mont. <i>L. fusca</i> De Kay.	285	<i>carica</i> Brug.
284	— ?	285	<i>Ranella caudata</i> Say.
284	<i>Cingula aculeus</i> Gould.	285	<i>Purpura lapillus</i> Say.
284	<i>arenaria</i> Mont.	285	<i>Buccinum lunatum</i> Say.
284	<i>minuta</i> Totten.	285	<i>obsoletum</i> Say.
284	<i>Littorina irrorata</i> Say.	285	<i>plicosum</i> Menke.
284	<i>neritoides</i> De Kay.	285	<i>rosaceum</i> Gould.
284	<i>palliat</i> Say.	285	<i>trivittatum</i> Say.
284	<i>rudis</i> Mont.	285	<i>undatum</i> Linn.
284	<i>tenebrosa</i> Mont.	285	<i>vibex</i> Say.
284	<i>Pyramis striatula</i> Couth.	285	<i>zonalis</i> Linsley.
284	<i>Turritella erosa</i> ? Couth.	285	<i>Columbella avara</i> Say.
284	<i>interrupta</i> Totten.	286	<i>Nautilus Connecticutensis</i> Linsley. (With a wood-cut).
284	<i>Odostomia exigua</i> Couth.	286	<i>Loligo illecebrosa</i> Lesueur.
284	<i>fusca</i> Adams.	286	<i>punctata</i> De Kay.
284	<i>limnoidea</i> De Kay.		
284	<i>producta</i> Adams.		
284	<i>seminuda</i> Adams.		

**Wheatley.**—Catalogue of the Shells of the United States, with their Localities: by CHAS. M. WHEATLEY, Member Lyc. Nat. Hist. N. Y., Corr. Memb. Nat. Inst. Washington, Troy Lyc. Nat. Hist. New York, 1845. Second edition.

[No descriptions are given.]

Page.	No.	Name.	Locality.
1	1	<i>Dentalium dentale</i> Linn.	
1	2	<i>entalis</i> Linn.	Maine.
2	30	<i>Teredo navalis</i> Lam.	Staten Island.
2	31	<i>Pholas crispata</i> Linn.	Sandy Hook, N. Y.



Page.	No.	Name.	Locality.
2	32	<i>Pholas costata</i> Linn.	South Carolina.
2	33	<i>cuneiformis</i> Say.	Georgia.
2	34	<i>oblongata</i> Say.	Georgia.
2	35	<i>truncata</i> Say.	Staten Island.
2	36	<i>Gastrochœna modiolina</i> Lam.	South Carolina.
2	37	<i>Solen ensis</i> Linn.	Staten Island.
2	38	<i>viridis</i> Say.	Rhode Island.
2	39	<i>siliqua</i> Linn.	New York bay.
2	40	<i>Solecurtus caribæus</i> Blain.	Sandy Hook, N. Y.
2	41	<i>fragilis</i> Conrad.	New Bedford.
2	42	<i>centralis</i> Conrad.	Georgia.
2	43	<i>Machœra nitida</i> Gould.	Stomach of codfish.
3	44	<i>costata</i> Gould.	Massachusetts bay.
3	45	<i>Panopœa arctica</i> Gould.	Stomach of codfish.
3	46	<i>Glycymeris siliqua</i> Lam.	Provincetown, Mass.
3	47	<i>Mya arenaria</i> Linn.	Staten Island.
3	48	<i>truncata</i> Linn.	Massachusetts bay.
3	49	<i>Anatina papyracea</i> Say.	Rhode Island.
3	50	<i>Cochlodesma Leana</i> Gould.	Staten Island.
3	51	<i>Thracia Conradi</i> Couth.	Massachusetts bay.
3		<i>truncata</i> Mighels.	Maine.
3	52	<i>Osteodesma hyalina</i> Couth.	Staten Island.
3	53	<i>Lutraria canaliculata</i> Say.	South Carolina.
3	54	<i>lineata</i> Say.	South Carolina.
3	55	<i>Cumingia tellinoides</i> Conrad.	New Bedford.
3	56	<i>Macra lateralis</i> Say.	New York bay.
3	57	<i>similis</i> Say.	South Carolina.
3	58	<i>solidissima</i> Chemn.	Staten Island.
3	59	<i>fragilis</i> Chemn.	South Carolina.
3	60	<i>nucleus</i> Conrad.	New Jersey.
3	61	<i>ovalis</i> Gould.	Massachusetts bay.
3	62	<i>Mesodesma arctata</i> Gould.	Massachusetts bay.
3	63	<i>Jauresii</i> De John.	Massachusetts bay.
3	64	<i>Montacuta bidentata</i> Mont.	New Bedford.
3	65	<i>Kellia rubra</i> Turton.	New Bedford.
4	66	<i>Gnathodon cuneata</i> Gray.	New Orleans.
4	67	<i>flexuosa</i> Conrad.	New Orleans.
4	68	<i>Solemya borealis</i> Totten.	Rhode Island.
4	69	<i>velum</i> Say.	Long Island.
4	70	<i>Amphidesma flexuosa</i> Lam.	Massachusetts.
4	71	<i>orbiculata</i> Say.	Georgia.
4	72	<i>equalis</i> Say.	Georgia.
4	73	<i>punctata</i> Say.	Georgia.
4	74	<i>radiata</i> Say.	Georgia.
4	75	<i>lepida</i> Say.	South Carolina.

Page.	No.	Name.	Locality.
4	76	<b>Amphidesma transversa</b> Say.	Georgia.
4	77	<b>Corbula contracta</b> Say.	New Bedford.
4	78	<b>Pandora trilineata</b> Say.	Staten Island.
4	79	<b>Saxacava rugosa</b> Lam.	Massachusetts bay.
4	80	<i>distorta</i> Say.	Massachusetts bay.
4	81	<i>rhomboides</i> Desh.	Massachusetts bay.
4	82	<b>Petricola pholadiformis</b> Lam.	Staten Island.
4	83	<i>dactylus</i> Say.	New Bedford.
4	84	<b>Sanguinolaria fusca</b> Conrad.	Long Island.
4	85	<i>rugosa</i> Lam.	Florida.
4	86	<i>lusoria</i> Conrad.	New Jersey.
4	87	<i>sordida</i> Gould.	Massachusetts bay.
4	88	<b>Tellina alternata</b> Say.	South Carolina.
4	89	<i>polita</i> Say.	South Carolina.
4	90	<i>iris</i> Say.	South Carolina.
4	91	<i>flexuosa</i> Say.	South Carolina.
4	92	<i>tenera</i> Say.	New Jersey.
4	93	<i>interstriata</i> Say.	Florida.
5	94	<i>lateralis</i> Say.	New Jersey.
5	95	<i>decora</i> Say.	Florida.
5	96	<i>mera</i> Say.	Massachusetts bay.
5	97	<i>tenta</i> Say.	Massachusetts bay.
5	98	<i>calcaria</i> Say.	Massachusetts bay.
5	99	<i>nasuta</i> Conrad.	Columbia river.
5	100	<i>versicolor</i> Cozzens.	New York bay.
5	101	<b>Lucina divaricata</b> Lam.	Rhode Island.
5	102	<i>contracta</i> Say.	Massachusetts bay.
5	103	<i>radula</i> Lam.	Massachusetts bay.
5	104	<i>flexuosa</i> Gould.	Massachusetts bay.
5	105	<b>Donax variabilis</b> Say.	Georgia.
5	106	<i>fossor</i> Say.	Long Island.
5	107	<b>Capsa lævigata</b> Lam.	Florida.
5	108	<b>Astarte castanea</b> Say.	Staten Island.
5	109	<i>lactea</i> Br. & Sowb.	Stomach of fish.
5	110	<i>quadrans</i> Gould.	Stomach of fish.
5	111	<i>sulcata</i> Fleming.	Coast of Maine.
5	112	<i>undata</i> Gould.	Coast of Maine.
5	113	<i>Portlandica</i> Mighels.	Coast of Maine.
5	114	<b>Cyclas similis</b> Say.	Ohio.
5	115	<i>dubia</i> Say.	Ohio.
5	116	<i>rhomboidea</i> Say.	Lake Champlain.
5	117	<i>partumeia</i> Say.	Ohio.
5	118	<i>staminea</i> Conrad.	Alabama.
5	119	<i>edentula</i> Say.	Canandaigua, N. Y.
5	120	<i>transversa</i> Say.	Kentucky.

Page.	No.	Name.	Locality.
5	121	<i>Cyclus elegans Adams.</i>	Vermont.
5	122	<i>nitida Mighels.</i>	Maine?
5	123	<i>minor Adams.</i>	Maine?
5	124	<i>altilis Anthony.</i>	Ohio.
6	125	<i>Cyrena Carolinensis Say.</i>	South Carolina.
6	126	<i>Cyprina Islandica Lam.</i>	Rhode Island.
6	127	<i>Cytherea concentrica Lam.</i>	Virginia.
6	128	<i>gigantea Lam.</i>	Florida.
6	129	<i>florida Lam.</i>	Florida.
6	130	<i>occulta Say.</i>	Southern States.
6	131	<i>convexa Say.</i>	New York.
6	132	<i>Venus elevata Say.</i>	South Carolina.
6	133	<i>exalbida Chemn.</i>	Apalachicola bay.
6	134	<i>fluctuosa Gould.</i>	Massachusetts bay.
6	136	<i>gemma Totten.</i>	Long Island.
6	136	<i>inequalis Say.</i>	Virginia.
6	137	<i>Mortoni Conrad.</i>	Virginia.
6	138	<i>mercenaria Linn.</i>	New York.
6	139	<i>notata Say.</i>	New York.
6	140	<i>præparca Say.</i>	Cape Cod.
6	141	<i>Cardium fasciatum Mont.</i>	South Carolina.
6	142	<i>Grœnlandicum Gmelin.</i>	Maine.
6	143	<i>Islandicum Gmelin.</i>	Maine.
6	144	<i>Mortoni Conrad.</i>	Rhode Island.
6	145	<i>pinnulatum Conrad.</i>	Massachusetts bay.
6	146	<i>muricatum Linn.</i>	South Carolina.
6	147	<i>ventricosum Brug.</i>	South Carolina.
6	148	<i>Cardita borealis Conrad.</i>	Massachusetts bay.
6	149	<i>incrassata Sowerby.</i>	Florida.
6	150	<i>tridentata Say.</i>	South Carolina.
6	151	<i>Arca ponderosa Say.</i>	Florida.
6	152	<i>pexata Say.</i>	New York.
6	153	<i>incongrua Say.</i>	Georgia.
6	154	<i>transversa Say.</i>	New York.
7	155	<i>zebra Say.</i>	Florida.
7	156	<i>Nucula Jacksonii Gould.</i>	Maine.
7	157	<i>limatula Say.</i>	New York bay.
7	158	<i>minuta Gould.</i>	Nahant.
7	159	<i>myalls Couth.</i>	Massachusetts bay.
7	160	<i>navicularis Couth.</i>	Plymouth, Mass.
7	161	<i>proxima Say.</i>	New Bedford.
7	162	<i>sapotilla Gould.</i>	Cape Cod.
7	163	<i>tenuis Gould.</i>	Massachusetts bay.
7	164	<i>thracisformis Storer.</i>	Stomach of fish.
7	165	<i>delphinodonta Mighels.</i>	Maine.

Page	No.	Name.	Locality.
7	166	<b>Nucula Cascoensis</b> <i>Mighels.</i>	Maine.
7	167	<b>Unio abruptus</b> <i>Say.</i>	Ohio.
7	168	<b>acutissimus</b> <i>Lea.</i>	Alabama.
7	169	<b>aheneus</b> <i>Lea.</i>	Black creek, Florida.
7	170	<b>alatus</b> <i>Say.</i>	Lake Champlain.
7	171	<b>altilis</b> <i>Conrad.</i>	Alabama.
7	172	<b>amœnus</b> <i>Lea.</i>	Tennessee.
7	173	<b>amygdalus</b> <i>Lea.</i>	Lake George, Florida.
7	174	<b>anodontoides</b> <i>Lea.</i>	Ohio.
7	175	<b>angustatus</b> <i>Lea.</i>	South Carolina.
7	176	<b>apiculatus</b> <i>Say.</i>	Louisiana.
7	177	<b>arctatus</b> <i>Conrad.</i>	Alabama.
7	178	<b>arctior</b> <i>Lea.</i>	Ohio.
7	179	<b>arcus</b> <i>Conrad.</i> •	Alabama.
7	180	<b>arcæformis</b> <i>Lea.</i>	Tennessee.
7	181	<b>argenteus</b> <i>Lea.</i>	Tennessee.
7	182	<b>asper</b> <i>Lea.</i>	Alabama.
7	183	<b>asperimus</b> <i>Lea.</i>	Ohio.
7	184	<b>atër</b> <i>Lea.</i>	Alabama.
7	185	<b>atro-marginatus</b> <i>Lea.</i>	Georgia.
7	186	<b>Barnesianus</b> <i>Lea.</i>	Tennessee.
7	187	<b>Biglyensis</b> <i>Lea.</i>	Tennessee.
7	188	<b>Blandingianus</b> <i>Lea.</i>	Florida.
8	189	<b>biangularis</b> <i>Lea.</i>	Tennessee.
8	190	<b>Boydianus</b> <i>Lea.</i>	New York.
8	191	<b>Boykinianus</b> <i>Lea.</i>	Georgia.
8	192	<b>brevidens</b> <i>Lea.</i>	Ohio.
8	193	<b>Brumbyanus</b> <i>Lea.</i>	Alabama.
8	194	<b>Buckleyi</b> <i>Lea.</i>	Lakes George & Monroe, Fla.
8	195	<b>Buddianus</b> <i>Lea.</i>	Lakes George & Monroe, Fla.
8	196	<b>callosus</b> <i>Lea.</i>	Ohio.
8	197	<b>camelus</b> <i>Lea.</i>	Ohio.
8	198	<b>camptodon</b> <i>Say.</i>	Louisiana.
8	199	<b>capsæformis</b> <i>Lea.</i>	Western States.
8	200	<b>cariosus</b> <i>Say.</i>	Eastern rivers.
8	201	<b>catillus</b> <i>Conrad.</i>	Ohio.
8	202	<b>circulus</b> <i>Lea.</i>	Ohio.
8	203	<b>Cincinnatiensis</b> <i>Lea.</i>	Ohio.
8	204	<b>Clairbornensis</b> <i>Lea.</i>	Alabama.
8	205	<b>clavus</b> <i>Lam.</i>	Ohio.
8	206	<b>coccineus</b> <i>Hild.</i>	Ohio.
8	207	<b>ocelatus</b> <i>Conrad.</i>	Tennessee.
8	208	<b>collinus</b> <i>Conrad.</i>	Virginia.
8	209	<b>Cooperianus</b> <i>Lea.</i>	Ohio.
8	210	<b>compressus</b> <i>Lea.</i>	Western riv's & lakes.

Page.	No.	Name.	Locality.
8	211	<b>Unio complanatus</b> <i>Lam.</i>	Maine to Florida.
8	212	<b>Congaræus</b> <i>Lea.</i>	Congaree river, S. C.
8	213	<b>confertus</b> <i>Lea.</i>	South Carolina.
8	214	<b>Conradicus</b> <i>Lea.</i>	Western rivers.
8	215	<b>cornutus</b> <i>Barnes.</i>	Ohio.
8	216	<b>oor</b> <i>Conrad.</i>	Alabama.
8	217	<b>crassidens</b> <i>Lam.</i>	Western rivers.
8	218	<b>crocatus</b> <i>Lea.</i>	Savannah river.
8	219	<b>crassus</b> <i>Say.</i>	Western rivers.
8	220	<b>creperus</b> <i>Lea.</i>	Tennessee.
8	221	<b>cuprinus</b> <i>Lea.</i>	Tennessee.
8	222	<b>Cumberlandicus</b> <i>Lea.</i>	Cumberland riv., Ten.
8	223	<b>cuneolus</b> <i>Lea.</i>	Tennessee.
9	224	<b>cylindricus</b> <i>Say.</i>	Western rivers.
9	225	<b>dactylus</b> <i>Lea.</i>	Tennessee.
9	226	<b>decisus</b> <i>Lea.</i>	Alabama.
9	227	<b>declivis</b> <i>Say.</i>	Alabama.
9	228	<b>dehiscens</b> <i>Say.</i>	Ohio.
9	229	<b>dolabelloides</b> <i>Lea.</i>	Tennessee.
9	230	<b>dolabræformis</b> <i>Lea.</i>	Georgia.
9	231	<b>Dorfeullianus</b> <i>Lea.</i>	Ohio.
9	232	<b>dromas</b> <i>Lea.</i>	Tennessee and Ala.
9	233	<b>Duttonianus</b> <i>Lea.</i>	Savannah river.
9	234	<b>Æsopus</b> <i>Green.</i>	Western rivers.
9	235	<b>elegans</b> <i>Lea.</i>	Ohio river.
9	236	<b>ellipsis</b> <i>Lea.</i>	Ohio river.
9	237	<b>exiguus</b> <i>Lea.</i>	Georgia.
9	238	<b>Edgarianus</b> <i>Lea.</i>	Tennessee.
9	239	<b>ellipsiformis</b> <i>Conrad.</i>	Michigan.
9	240	<b>ebenus</b> <i>Lea.</i>	Ohio.
9	241	<b>fabilis</b> <i>Lea.</i>	Ohio.
9	242	<b>Fisherianus</b> <i>Lea.</i>	Maryland.
9	243	<b>foliatus</b> <i>Hild.</i>	Ohio.
9	244	<b>fortuus</b> <i>Lea.</i>	Tennessee.
9	245	<b>folliculatus</b> <i>Lea.</i>	Savannah river.
9	246	<b>fragosus</b> <i>Conrad.</i>	Scioto river Ohio.
9	247	<b>furvus</b> <i>Conrad.</i>	Alabama.
9	248	<b>fuscatus</b> <i>Lea.</i>	Black creek, Florida.
9	249	<b>fulvus</b> <i>Lea.</i>	South Carolina.
9	250	<b>Geddingianus</b> <i>Lea.</i>	South Carolina.
9	251	<b>Georgianus</b> <i>Lea.</i>	Georgia.
9	252	<b>gibber</b> <i>Lea.</i>	Carry Fork river, Tenn.
9	253	<b>gibbosus</b> <i>Barnes.</i>	Western rivers.
9	254	<b>glaber</b> <i>Lea.</i>	Tennessee.
9	255	<b>globosus</b> <i>Lea.</i>	Western rivers.

Page.	No.	Name.	Locality.
9	256	<b>Unio glans</b> <i>Lea.</i>	Ohio.
9	257	<b>gracilis</b> <i>Barnes.</i>	Ohio.
9	258	<b>Greeni</b> <i>Conrad.</i>	Black Warrior river.
9	259	<b>Griffithianus</b> <i>Lea.</i>	South Carolina.
10	260	<b>graniferus</b> <i>Lea.</i>	Ohio.
10	261	<b>Haysianus</b> <i>Lea.</i>	Tennessee.
10	262	<b>heterodon</b> <i>Lea.</i>	Pennsylvania.
10	263	<b>Hembeli</b> <i>Conrad.</i>	Southern rivers.
10	264	<b>Hildrethianus</b> <i>Lea.</i>	Western rivers.
10	265	<b>Holstonensis</b> <i>Lea.</i>	Tennessee.
10	266	<b>Hopetonensis</b> <i>Lea.</i>	Hopeton river, Ga.
10	267	<b>inflatus</b> <i>Lea.</i>	Southwestern rivers.
10	268	<b>irroratus</b> <i>Lea.</i>	Ohio.
10	269	<b>incrasatus</b> <i>Lea.</i>	Georgia.
10	270	<b>interruptus</b> <i>Lea.</i>	Harpeth river, Tenn.
10	271	<b>infucatus</b> <i>Conrad.</i>	Alabama.
10	272	<b>Jayensis</b> <i>Lea.</i>	Florida.
10	273	<b>jejunus</b> <i>Lea.</i>	North Carolina.
10	274	<b>Kirtlandianus</b> <i>Lea.</i>	Ohio.
10	275	<b>Kathrinæ</b> <i>Lea.</i>	Lake Superior.
10	276	<b>levissimus</b> <i>Lea.</i>	Western rivers.
10	277	<b>lachrymosus</b> <i>Lea.</i>	Ohio.
10	278	<b>Lecontianus</b> <i>Lea.</i>	Conochee river, Ga.
10	279	<b>Lesueurianus</b> <i>Lea.</i>	Tennessee.
10	280	<b>lenoir</b> <i>Lea.</i>	Tennessee.
10	281	<b>lineatus</b> <i>Lea.</i>	Georgia.
10	282	<b>luteolus</b> <i>Lam.</i>	Western rivers.
10	283	<b>lienosus</b> <i>Conrad.</i>	Alabama.
10	284	<b>lens</b> <i>Lea.</i>	Western rivers.
10	285	<b>lanceolatus</b> <i>Lea.</i>	North Carolina.
10	286	<b>lugubris</b> <i>Lea.</i>	Georgia.
10	287	<b>multiplicatus</b> <i>Lea.</i>	Western rivers.
10	288	<b>metanever</b> <i>Lea.</i>	Ohio.
10	289	<b>minor</b> <i>Lea.</i>	Lakes George & Monroe, Fla.
10	290	<b>Monroensis</b> <i>Lea.</i>	Lake Monroe, Florida.
10	291	<b>monodontus</b> <i>Say.</i>	Ohio.
10	292	<b>modioliformis</b> <i>Lea.</i>	South Carolina.
10	293	<b>multiradiatus</b> <i>Lea.</i>	Ohio.
10	294	<b>Menkianus</b> <i>Lea.</i>	Harpeth river, Tenn.
11	295	<b>Muhlfeldianus</b> <i>Lea.</i>	Cumberland river.
11	296	<b>maculatus</b> <i>Conrad.</i>	Alabama.
11	297	<b>Masoni</b> <i>Conrad.</i>	Savannah.
11	298	<b>nasutus</b> <i>Say.</i>	East'n & West'n rivs.
11	299	<b>Nashvillianus</b> <i>Lea.</i>	Tennessee.
11	300	<b>neglectus</b> <i>Lea.</i>	North Alabama.

Page.	No.	Name.	Locality.
11	301	<b>Unio nicestus</b> <i>Lea.</i>	Tennessee.
11	302	<i>nitens</i> <i>Lea.</i>	Tennessee.
11	303	<b>Novi-Eborachi</b> <i>Lea.</i>	Oak Orchard cr., N. Y.
11	304	<i>notatus</i> <i>Lea.</i>	Cumberland river.
11	305	<i>obscurus</i> <i>Lea.</i>	Tennessee.
11	306	<i>obesus</i> <i>Lea.</i>	Yorktown, Va.
11	307	<i>obliquus</i> <i>Lam.</i>	Western rivers.
11	308	<i>occultus</i> <i>Lea.</i>	Black creek, Florida.
11	309	<i>ochraceus</i> <i>Say.</i>	N J. & Connecticut.
11	310	<i>ovatus</i> <i>Say.</i>	Western rivers.
11	311	<i>oviformis</i> <i>Conrad.</i>	Alabama.
11	312	<i>patulus</i> <i>Lea.</i>	Ohio.
11	313	<i>paulus</i> <i>Lea.</i>	Georgia.
11	314	<i>parvus</i> <i>Barnes.</i>	Ohio.
11	315	<i>perplexus</i> <i>Lea.</i>	Ohio.
11	316	<i>penitus</i> <i>Conrad.</i>	Alabama.
11	317	<i>perdix</i> <i>Lea.</i>	Ohio & Tennessee.
11	318	<i>perovatus</i> <i>Conrad.</i>	Alabama.
11	319	<i>perovalis</i> <i>Conrad.</i>	Alabama.
11	320	<i>personatus</i> <i>Say.</i>	Ohio.
11	321	<i>phaseolus</i> <i>Hild.</i>	Ohio.
11	322	<b>Phillipii</b> <i>Conrad.</i>	Wabash.
11	323	<i>plicatus</i> <i>Say.</i>	Ohio.
11	324	<i>plenus</i> <i>Lea.</i>	Ohio.
11	325	<i>pictus</i> <i>Lea.</i>	Tennessee.
11	326	<i>pilaris</i> <i>Lea.</i>	Tennessee.
11	327	<i>pileus</i> <i>Lea.</i>	Ohio.
11	328	<b>pyramidatus</b> <i>Lea.</i>	Ohio.
11	329	<i>pustulatus</i> <i>Lea.</i>	Ohio.
11	330	<i>pustulosus</i> <i>Lea.</i>	Ohio.
12	331	<b>purpuratus</b> <i>Lam.</i>	Western rivers.
12	332	<i>pumilis</i> <i>Lea.</i>	Black river, N. C.
12	333	<i>pusillus</i> <i>Lea.</i>	Georgia.
12	334	<i>productus</i> <i>Conrad.</i>	Savannah.
12	335	<i>pulcher</i> <i>Lea.</i>	Tennessee.
12	336	<i>rubiginosus</i> <i>Lea.</i>	Western rivers.
12	337	<i>radiatus</i> <i>Lea.</i>	Lake Champlain.
12	338	<b>Rangianus</b> <i>Lea.</i>	Ohio.
12	339	<b>Ravenelianus</b> <i>Lea.</i>	South Carolina.
12	340	<i>rectus</i> <i>Lam.</i>	South Carolina.
12	341	<i>regularis</i> <i>Lea.</i>	Tennessee.
12	342	<i>retusus</i> <i>Lea.</i>	Western rivers.
12	343	<b>Roanokensis</b> <i>Lea.</i>	North Carolina.
12	344	<i>rotundatus</i> <i>Linn.</i>	Louisiana.
12	345	<b>rubellus</b> <i>Conrad.</i>	Alabama.

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12	346	<b>Unio Sayii</b> <i>Tappan.</i>	Wisconsin.
12	347	<b>Schoolcraftensis</b> <i>Lea.</i>	Fox river, Green bay.
12	348	<b>securis</b> <i>Lea.</i>	Ohio.
12	349	<b>Shepardianus</b> <i>Lea.</i>	Georgia.
12	350	<b>silliquoides</b> <i>Barnes.</i>	Ohio.
12	351	<b>simus</b> <i>Lea.</i>	Cumberland river.
12	352	<b>Sowerbianus</b> <i>Lea.</i>	Tenn. & Alabama.
12	353	<b>solidus</b> <i>Lea.</i>	Ohio.
12	354	<b>Sloatianus</b> <i>Lea.</i>	Georgia.
12	355	<b>spinus</b> <i>Lea.</i>	Alabama & Georgia.
12	356	<b>splendidus</b> <i>Lea.</i>	Altamaha river.
12	357	<b>sparsus</b> <i>Lea.</i>	Tennessee.
12	358	<b>stapes</b> <i>Lea.</i>	Ohio & Alabama.
12	359	<b>Stonensis</b> <i>Lea.</i>	Tennessee.
12	360	<b>strigosus</b> <i>Lea.</i>	Georgia.
12	361	<b>striatus</b> <i>Lea.</i>	Georgia.
12	362	<b>stramineus</b> <i>Conrad.</i>	Alabama.
12	363	<b>subrotundus</b> <i>Lea.</i>	Ohio.
12	364	<b>subplanus</b> <i>Conrad.</i>	Virginia.
12	365	<b>subangulatus</b> <i>Lea.</i>	Georgia.
13	366	<b>subovatus</b> <i>Lea.</i>	Ohio river.
13	367	<b>subtentus</b> <i>Say.</i>	Southern rivers.
13	368	<b>sulcatus</b> <i>Lea.</i>	Western rivers.
13	369	<b>trapezoides</b> <i>Lea.</i>	Lake St. Joseph, La.
13	370	<b>Taitianus</b> <i>Lea.</i>	Tennessee.
13	371	<b>Tappanianus</b> <i>Lea.</i>	Troy, N. Y.
13	372	<b>tetralasmus</b> <i>Say.</i>	Louisiana.
13	373	<b>tenuissimus</b> <i>Lea.</i>	Western rivers.
13	374	<b>tenerus</b> <i>Raf.</i>	Virginia.
13	375	<b>Tennesseensis</b> <i>Lea.</i>	Tennessee.
13	376	<b>tener</b> <i>Lea.</i>	Tennessee.
13	377	<b>tortivus</b> <i>Lea.</i>	Georgia.
13	378	<b>tcœniatus</b> <i>Conrad.</i>	Flint river, Ga.
13	379	<b>Troostensis</b> <i>Lea.</i>	Tennessee.
13	380	<b>trigonus</b> <i>Lea.</i>	Ohio.
13	381	<b>triangularis</b> <i>Barnes.</i>	Western rivers.
13	382	<b>trosculus</b> <i>Lea.</i>	Lake Monroe, Fla.
13	383	<b>turgidus</b> <i>Lea.</i>	Bayou Teche, La.
13	384	<b>tuberculatus</b> <i>Barnes.</i>	Western rivers.
13	385	<b>undulatus</b> <i>Barnes.</i>	Western rivers.
13	386	<b>varicosus</b> <i>Lea.</i>	Ohio.
13	387	<b>vanuxemensis</b> <i>Lea.</i>	Cumberland river.
13	388	<b>Vaughanianus</b> <i>Lea.</i>	South Carolina.
13	389	<b>ventricosus</b> <i>Barnes.</i>	Lake Champlain.
13	390	<b>verrucosus</b> <i>Barnes.</i>	Ohio.



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13	391	<b>Unio venustus</b> <i>Lea.</i>	Missouri.
13	392	<i>vibex</i> <i>Conrad.</i>	Alabama.
13	393	<i>Waterreensis</i> <i>Lea.</i>	South Carolina.
13	394	<i>Zeiglerianus</i> <i>Lea.</i>	Cumberland riv., Tenn.
13	395	<b>Alasmodonta aroula</b> <i>Lea.</i>	Altamaha river.
13	396	<i>cuneyana</i> <i>Lea.</i>	Tennessee.
13	397	<i>calceola</i> <i>Lea.</i>	Ohio.
13	398	<i>complanata</i> <i>Lea.</i>	Western rivers.
13	399	<i>confragosa</i> <i>Lea.</i>	Western rivers.
14	400	<i>deltoides</i> <i>Lea.</i>	Western rivers.
14	401	<i>edentula</i> <i>Say.</i>	Wabash.
14	402	<i>fabula</i> <i>Lea.</i>	Cumberland river.
14	403	<b>Holstonia</b> <i>Lea.</i>	Holstein river.
14	404	<i>marginata</i> <i>Lea.</i>	East'n & West'n rivers.
14	405	<i>margaritifera</i> <i>Lam.</i>	Eastern rivers.
14	406	<i>radiata</i> <i>Lea.</i>	Alabama.
14	407	<i>rugosa</i> <i>Lea.</i>	Western rivers.
14	408	<i>Raveneliana</i> <i>Lea.</i>	North Carolina.
14	409	<i>undulata</i> <i>Lea.</i>	New Jersey
14	410	<b>Anodonta argentea</b> <i>Lea.</i>	Tennessee.
14	411	<i>Benedictensis</i> <i>Lea.</i>	Lake Champlain.
14	412	<i>carinifera</i> <i>Conrad.</i>	Kentucky.
14	413	<b>Couperiana</b> <i>Lea.</i>	Georgia.
14	414	<b>decora</b> <i>Lea.</i>	Ohio canals.
14	415	<i>declivis</i> <i>Conrad.</i>	Kentucky.
14	416	<i>edentula</i> <i>Lea.</i>	Western rivers.
14	417	<i>fragilis</i> <i>Lam.</i>	Western rivers.
14	418	<i>ferruginea</i> <i>Lea.</i>	Tennessee.
14	419	<i>Footiana</i> <i>Lea.</i>	Fort Winnebago.
14	420	<i>Ferussaciana</i> <i>Lea.</i>	Ohio river.
14	421	<i>fluvialilis</i> <i>Lea.</i>	Eastern rivers.
14	422	<i>grandis</i> <i>Say.</i>	Southern rivers.
14	423	<i>gibbosa</i> <i>Lea.</i>	Georgia.
14	424	<i>gigantea</i> <i>Lea.</i>	Mississippi river.
14	425	<i>glauca</i> <i>Lam.</i>	Western rivers.
14	426	<i>Harpethiana</i> <i>Lea.</i>	Harpeth river, Tenn.
14	427	<i>implicata</i> <i>Say.</i>	Plymouth, Mass.
14	428	<i>incerta</i> <i>Lea.</i>	Ohio.
14	429	<i>lugubris</i> <i>Say.</i>	Cumberland river.
14	430	<i>Marryattiana</i> <i>Lea.</i>	Fort Winnebago.
14	431	<i>Newtoniensis</i> <i>Lea.</i>	Newton creek, N. J.
14	432	<i>Nuttalliana</i> <i>Lea.</i>	Oregon Territory.
14	433	<i>Oregonensis</i> <i>Lea.</i>	Oregon Territory.
14	434	<i>ovata</i> <i>Lea.</i>	Ohio.
15	435	<b>parvonia</b> <i>Lea.</i>	Ohio.

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15	436	<i>Anodonta plana</i> Lea.	Ohio.
15	437	<i>salmonia</i> Lea.	Ohio.
15	438	<i>Stewartiana</i> Lea.	Western rivers.
15	439	<i>subvexa</i> Conrad.	Alabama.
15	440	<i>suborbiculata</i> Say.	Illinois.
15	441	<i>subcylindracea</i> Lea.	Orleans Co., N. Y.
15	442	<i>undulata</i> Say	Ohio.
15	443	<i>virgata</i> Conrad.	Ohio.
15	444	<i>Wahlamatensis</i> Lea.	Oregon.
15	445	<i>Wardiana</i> Lea.	Ohio.
15	446	<i>Buchanensis</i> Lea.	Buck creek, Ohio.
15	447	<i>angulata</i> Lea.	Lewis river.
15	448	<i>Chama arcinella</i> Linn.	Florida.
15	449	<i>Lazarus</i> Lam.	Key West, Fla.
15	450	<i>Modiola Americana</i> Leach.	Southern States.
15	451	<i>castanea</i> Say	Southern States.
15	452	<i>discors</i> Linn	Massachusetts bay.
15	453	<i>discrepans</i> Mont.	Chelsea beach.
15	454	<i>glandula</i> Totten.	Provincetown, Mass.
15	455	<i>modiolus</i> Turton.	Massachusetts bay.
15	456	<i>nexa</i> Gould.	Provincetown, Mass.
15	457	<i>plicatula</i> Lam.	Long Island.
15	458	<i>pectinula</i> Gould.	Massachusetts bay.
15	459	<i>Mytilus cubitus</i> Say.	Georgia.
15	460	<i>edulis</i> Linn.	New-York bay.
15	461	<i>hamatus</i> Say.	Southern States.
15	462	<i>incurvatus</i> Penn.	Massachusetts bay.
15	463	<i>lateralis</i> Say.	Southern States.
15	464	<i>leucophæatus</i> Conrad.	Southern States.
15	465	<i>pellucidus</i> Penn.	New York bay.
15	466	<i>ungulatus</i> Linn.	Massachusetts bay.
16	467	<i>Pinna seminuda</i> Lam.	South Carolina.
16	468	<i>muricata</i> Linn.	St. Simon's island, Ga.
16	469	<i>rudis</i> Lam.	South Carolina.
16	470	<i>Avicula Atlantica</i> Lam.	South Carolina.
16	471	<i>Lima glacialis</i> Lam.	Florida.
16	472	<i>squamosa</i> Lam.	Florida.
16	473	<i>Pecten concentricus</i> Say.	New York.
16	474	<i>Islandicus</i> Chem.	Massachusetts bay.
16	475	<i>Magellanicus</i> Lam.	Maine.
16	476	<i>ornatus</i> Lam.	Florida.
16	477	<i>nodosus</i> Lam.	Florida.
16	478	<i>purpuratus</i> Lam.	Atlantic coast.
16	479	<i>tenuicostatus</i> Mighels.	Maine.
16	480	<i>Plicatula rimosa</i> Lam.	Florida.

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16	481	<i>Ostrea borealis</i> Lam.	New York.
16	482	<i>equestris</i> Say.	Florida.
16	483	<i>costata</i> De Kay.	New York.
16	484	<i>semicylindrica</i> Say.	Florida.
16	485	<i>Virginiana</i> Lister.	New York.
16	486	<i>Anomia ephippium</i> Linn.	New York bay.
16	487	<i>undulata</i> Linn.	Massachusetts bay.
16	488	<i>aculeata</i> Gmelin.	Massachusetts bay.
16	489	<i>squamula</i> Linn.	Massachusetts bay.
16	490	<i>electrica</i> Linn.	Massachusetts bay.
16	491	<i>patellaris</i> Lam.	New York bay.
16	492	<i>Terebratula psittacea</i> Lam.	Coast of Maine.
16	493	<i>caput serpentis</i> Gould.	Massachusetts bay.
16	494	<i>thalasina</i> Gould.	Massachusetts bay.
17	495	<i>Chiton albus</i> Mont.	Massachusetts bay.
17	496	<i>apiculatus</i> Say.	Gardiner's island.
17	497	<i>Emersonii</i> Couth.	Massachusetts bay.
17	498	<i>fulminatus</i> Couth.	Cohasset.
17	499	<i>marginatus</i> Gmelin.	Phillips' beach.
17	500	<i>pectinatus</i> Gould.	Phillips' beach.
17	501	<i>ruber</i> Lowe.	Phillips' beach.
17	502	<i>mendicarius</i> Mighels.	Maine.
17	503	<i>Patella candida</i> Couth.	Massachusetts bay.
17	504	<i>Oregana</i> Nuttall.	Columbia river.
17	505	<i>Patelloida testudinialis</i> Couth.	Massachusetts bay.
17	506	<i>alveus</i> Conrad.	Massachusetts bay.
17	507	<i>Siphonaria alternata</i> Say.	Florida.
17	508	<i>Cemoria Noachina</i> Lam.	Massachusetts bay.
17	509	<i>princeps</i> Mighels.	Maine.
17	510	<i>Calyptroea striata</i> Say.	New Jersey.
17	511	<i>Crepidula fornicata</i> Lam.	New York bay.
17	512	<i>unguiformis</i> Lam.	New York bay.
17	513	<i>intorta</i> Say.	Southern States.
17	514	<i>convexa</i> Say.	Atlantic coast.
17	515	<i>depressa</i> Say.	Southern States.
17	516	<i>glauca</i> Say.	Chelsea beach.
17	517	<i>plana</i> Say.	New York bay.
17	518	<i>Ancylus rivularis</i> Say.	Ohio and New York.
17	519	var. <i>Brunneus</i> Hald.	James river, Va.
17	520	<i>flosus</i> Conrad.	Alabama.
17	521	<i>tardus</i> Say.	Vermont.
17	522	<i>parallelus</i> Hald.	New England.
17	523	<i>fuscus</i> Adams.	Andover, Mass.
18	524	<i>crassus</i> Hald.	Oregon.
18	525	<i>diaphanus</i> Hald.	Ohio.

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18	526	<b>Ancylus depressus</b> <i>Hald.</i>	Holstein river, Va.
18	527	obscurus <i>Hald.</i>	Nolachucky riv., Tenn.
18	528	<b>Bullina canaliculata</b> <i>Say.</i>	St. Simon's island, Ga.
18	529	<b>Bulla debilis</b> <i>Gould.</i>	Massachusetts bay.
18	530	<b>Gouldii</b> <i>Couth.</i>	Massachusetts bay.
18	531	hiemalis <i>Couth.</i>	Massachusetts bay.
18	532	<b>insculpta</b> <i>Totten.</i>	New York bay.
18	533	<b>lineolata</b> <i>Couth.</i>	Massachusetts bay.
18	534	<b>obstricta</b> <i>Gould.</i>	New York bay.
18	535	<b>oryza</b> <i>Totten.</i>	Newport river.
18	536	<b>triticea</b> <i>Couth.</i>	Massachusetts bay.
18	537	pertenuis <i>Mighels.</i>	Maine.
18	538	<b>Vitrina pellucida</b> <i>Drap.</i>	Iowa Territory
18	539	<b>Helix albolabris</b> <i>Say.</i>	United States.
18	540	alternata <i>Say.</i>	New York to Ohio.
18	541	appressa <i>Say.</i>	Western States.
18	542	arborea <i>Say.</i>	Mass. to Ohio.
18	543	avara <i>Ferussac.</i>	Florida.
18	544	auriculata <i>Lam.</i>	Florida.
18	545	clausa <i>Say.</i>	Western States
18	546	cellaria <i>Müll.</i>	Massachusetts.
18	547	concava <i>Say.</i>	Ohio.
18	548	<b>Columbiana</b> <i>Lea.</i>	Oregon Territory.
18	549	<b>Cumberlandicus</b> <i>Lea.</i>	Tennessee.
18	550	<b>dentifera</b> <i>Binney.</i>	Vermont.
18	551	<b>dealbata</b> <i>Say.</i>	Missouri.
18	552	demissa <i>Say.</i>	Alabama.
18	553	diodonta <i>Say.</i>	Ohio.
18	554	<b>Dorfeuilliana</b> <i>Lea.</i>	Ohio.
18	555	elevata <i>Say.</i>	Western States.
19	556	<b>electrina</b> <i>Gould.</i>	Cambridge, Mass
19	557	<b>Edgarina</b> <i>Lea.</i>	Tennessee.
19	558	egena <i>Say.</i>	Pennsylvania.
19	559	<b>fatigata</b> <i>Binney.</i>	Vermont.
19	560	<b>fraterna</b> <i>Say.</i>	East'n & West'n States.
19	561	fuliginosa <i>Griff.</i>	Ohio.
19	562	glaphyra <i>Say.</i>	Ohio.
19	563	gularis <i>Say.</i>	Ohio.
19	564	<b>hortensis</b> <i>Müll.</i>	Portsmouth, N. H.
19	565	<b>harpa</b> <i>Say.</i>	Southwestern States.
19	566	<b>hirsuta</b> <i>Say.</i>	Staten Island.
19	567	<b>inornata</b> <i>Say.</i>	Pennsylvania.
19	568	<b>inflecta</b> <i>Say.</i>	Western States.
19	569	<b>indentata</b> <i>Say.</i>	Ohio.
19	570	<b>interna</b> <i>Say.</i>	Kentucky.

Page.	No.	Name.	Locality.
19	571	<b>Helix immitissima</b> <i>Lea.</i>	Cincinnati.
19	572	<b>irrorata</b> <i>Say.</i>	Pennsylvania.
19	573	<b>labyrinthica</b> <i>Say.</i>	Massachusetts.
19	574	<b>ligera</b> <i>Say.</i>	Ohio.
19	575	<b>lineata</b> <i>Say.</i>	Ohio & Mass.
19	576	<b>incubrata</b> <i>Say.</i>	Alabama.
19	577	<b>Mobiliana</b> <i>Lea.</i>	Mobile.
19	578	<b>monodon</b> <i>Binney.</i>	Western States.
19	579	<b>minuta</b> <i>Say.</i>	Mass. to Missouri.
19	580	<b>multilineata</b> <i>Say.</i>	Southwestern States.
19	581	<b>Michelliana</b> <i>Lea.</i>	Ohio.
19	582	<b>Nuttalliana</b> <i>Lea.</i>	Oregon.
19	583	<b>obstricta</b> <i>Say.</i>	Ohio.
19	584	<b>pallida</b> <i>Say.</i>	Ohio.
19	585	<b>Pennsylvanica</b> <i>Green.</i>	Pennsylvania.
19	586	<b>perspectiva</b> <i>Say.</i>	New York & Ohio.
19	587	<b>porcina</b> <i>Say.</i>	Iowa.
19	588	<b>profunda</b> <i>Say.</i>	Ohio.
19	589	<b>plicata</b> <i>Say.</i>	Alabama.
19	590	<b>septemvolva</b> <i>Ferussac.</i>	Georgia.
19	591	<b>solitaria</b> <i>Say.</i>	Ohio.
20	592	<b>subplana</b> <i>Binney.</i>	Tennessee.
20	593	<b>suppressa</b> <i>Say.</i>	Ohio.
20	594	<b>thyroidus</b> <i>Say.</i>	Eastern States.
20	595	<b>Townsendiana</b> <i>Lea.</i>	Oregon.
20	596	<b>tridentata</b> <i>Say.</i>	Mass. to Missouri.
20	597	<b>Troostiana</b> <i>Lea.</i>	Tennessee.
20	598	<b>tenuistriata</b> <i>Lea.</i>	Cincinnati.
20	599	<b>Tennesseensis</b> <i>Lea.</i>	Tennessee.
20	600	<b>Wardiana</b> <i>Lea.</i>	Ohio.
20	601	<b>Vancouverensis</b> <i>Lea.</i>	Oregon.
20	602	<b>zaleta</b> <i>Say.</i>	Western States.
20	603	<b>Carocolla Edgarina</b> <i>Lea.</i>	Tennessee.
20	604	<b>Cumberlandious</b> <i>Lea.</i>	Tennessee.
20	605	<b>spinosa</b> <i>Lea.</i>	Alabama.
20	606	<b>Helicina orbiculata</b> <i>Say.</i>	Ohio & Florida.
20	607	<b>occulta</b> <i>Say.</i>	Indiana.
20	608	<b>Pupa armifera</b> <i>Say.</i>	Western States.
20	609	<b>badia</b> <i>Adams.</i>	Crown Point, N. Y.
20	610	<b>carinata</b> <i>Gould.</i>	Maryland.
20	611	<b>contracta</b> <i>Say.</i>	Virginia.
20	612	<b>corticaria</b> <i>Say.</i>	Ohio.
20	613	<b>curvidens</b> <i>Gould.</i>	Massachusetts.
20	614	<b>exigua</b> <i>Say.</i>	Pennsylvania.
20	615	<b>fallax</b> <i>Say.</i>	Massachusetts.

Page.	No.	Name.	Locality.
20	616	<b>Pupa ovata</b> Say.	Pennsylvania.
20	617	<i>placida</i> Say.	Massachusetts.
20	618	<i>millium</i> Gould.	Massachusetts.
20	619	<i>simplex</i> Gould.	Massachusetts.
20	620	<i>rupicola</i> Say.	Florida.
20	621	<i>procera</i> Gould.	Baltimore.
20	622	<b>Tappanianus</b> Ward.	Massachusetts.
20	623	<i>modesta</i> Say.	Iowa.
20	624	<i>pentodon</i> Say.	Ohio.
21	625	<b>Bulimus lubricus</b> Drap.	Massachusetts.
21	626	<i>dealbatus</i> Say.	Western prairies.
21	627	<i>mutilatus</i> Say.	South Carolina.
21	628	<i>multilineatus</i> Say.	Florida.
21	629	<i>radiatus</i> Lam.	Western prairies.
21	630	<b>Achatina striata</b> Lam.	Georgia.
21	631	<i>solida</i> Say.	Florida.
21	632	<i>virginica</i> Lam.	Florida.
21	633	<b>Succinea avara</b> Say.	Ohio to New York.
21	634	<i>aurea</i> Lea.	Ohio.
21	635	<i>aperta</i> Lea.	Oregon.
21	636	<i>campestris</i> Say.	Southern States.
21	637	<b>Nuttalliana</b> Lea.	Oregon.
21	638	<i>ovalis</i> Say.	East'n & West'n States.
21	639	<i>obliqua</i> Say.	Penn. to Ohio.
21	640	<b>Oregonensis</b> Lea.	Oregon.
21	641	<i>inflata</i> Lea.	South Carolina.
21	642	<i>retusa</i> Say.	Ohio.
21	643	<b>Totteniana</b> Lea.	Rhode Island.
21	644	<i>vermeta</i> Say.	Indiana.
21	645	<b>Wardiana</b> Lea.	Ohio.
21	646	<b>Auricula bidentata</b> Say.	Mass. to Florida.
21	647	<i>lineata</i> Say.	Maryland & N. Jersey.
21	648	<i>obliqua</i> Say.	South Carolina.
21	649	<i>borealis</i> Conrad.	Rhode Island.
21	650	<i>denticulata</i> Mont.	Massachusetts bay.
21	651	<b>Planorbis armigerus</b> Say.	Mass. to Missouri.
21	652	<i>bellus</i> Lea.	Tennessee.
21	653	<i>bicarinatus</i> Say.	Mass. to Missouri.
21	654	<b>Buchanensis</b> Lea.	Ohio.
21	655	<i>campanulatus</i> Say.	Maine to Ohio.
21	656	<i>corpulentus</i> Say.	New York to Ohio.
22	657	<i>concavus</i> Anthony.	Ohio.
22	658	<i>deflectus</i> Say.	Western States.
22	659	<i>dilatatus</i> Gould.	Massachusetts.
22	660	<i>exacvus</i> Say.	Western States.

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22	661	<b>Planorbis glabratus</b> <i>Say.</i>	South Carolina.
22	662	<i>lentus</i> <i>Say.</i>	Ohio.
22	663	<i>me gasoma</i> <i>De Kay.</i>	New York island.
22	664	<i>obtusa</i> <i>Lea.</i>	Ohio.
22	665	<i>obliquus</i> <i>De Kay.</i>	New York island.
22	666	<i>parallelus</i> <i>Say.</i>	Upper Missouri.
22	667	<i>regularis</i> <i>Lea.</i>	Western rivers.
22	668	<i>trivolvus</i> <i>Say.</i>	New York.
22	669	var. <i>fallax</i> <i>Hald.</i>	Massachusetts.
22	670	<i>parvus</i> <i>Hald</i>	Massachusetts.
22	671	<i>antrosus</i> <i>Conrad.</i>	Alabama.
22	672	<i>lens</i> <i>Lea.</i>	Ohio.
22	673	<i>elevatus</i> <i>Adams.</i>	New York.
22	674	<i>hirsutus</i> <i>Gould.</i>	New Bedford.
22	675	<i>virens</i> <i>Adams.</i>	New Bedford.
22	676	<b>Physa ancillaria</b> <i>Say.</i>	New York.
22	677	<i>aurea</i> <i>Lea.</i>	Virginia.
22	678	<i>distorta</i> <i>Hald.</i>	Ohio.
22	679	<i>elongata</i> <i>Say.</i>	Western States.
22	680	<i>eliptica</i> <i>Lea.</i>	Ohio.
22	681	<i>gyrina</i> <i>Say.</i>	Georgia.
22	682	<i>heterostropha</i> <i>Say.</i>	Maine to Missouri.
22	683	<i>Hildrethiana</i> <i>Lea.</i>	Illinois.
22	684	<i>inflata</i> <i>Lea.</i>	Virginia.
22	685	<i>microstoma</i> <i>Hald.</i>	Ohio.
22	686	<i>obesa</i> <i>Mighels.</i>	Maine.
22	687	<i>plicata</i> <i>De Kay.</i>	New York island.
22	688	<i>pomilia</i> <i>Conrad.</i>	Alabama.
22	689	<i>Sayii</i> <i>Tappan.</i>	Ohio.
22	690	<i>Troostiana</i> <i>Lea.</i>	Tennessee.
22	691	<i>fragilis</i> <i>Mighels.</i>	Maine.
23	692	<b>Lymncea acuta</b> <i>Lea.</i>	Philadelphia.
23	693	<i>apicina</i> <i>Lea.</i>	Oregon.
23	694	<i>appressa</i> <i>Say.</i>	Lake Champlain.
23	695	<i>bulimoides</i> <i>Lea.</i>	Oregon.
23	696	<i>catascopium</i> <i>Say.</i>	Middle States.
23	697	<i>caperata</i> <i>Say.</i>	Indiana.
23	698	<i>cotumella</i> <i>Say.</i>	Indiana.
23	699	<i>coarctata</i> <i>Lea.</i>	Newport, R. I.
23	700	<i>casta</i> <i>Lea</i>	Ohio.
23	701	<i>chalybæa</i> <i>Gould.</i>	New York.
23	702	<i>curta</i> <i>Lea.</i>	Ohio.
23	703	<i>deciduosa</i> <i>Say.</i>	New York to Ohio.
23	704	<i>decollata</i> <i>Mighels.</i>	Portland, Me.
23	705	<i>elodes</i> <i>Say.</i>	Western States.

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23	706	<b>Lymncea emarginata Say.</b>	Maine.
23	707	<i>exigua</i> Lea.	Tennessee.
23	708	<i>expansa</i> Hald.	Vermont.
21	709	<i>exilis</i> Lea.	Ohio.
23	710	<i>fusiformis</i> Lea.	Niagara.
23	711	<b>Griffithiana</b> Lea.	Lake Champlain.
23	712	<i>gracilis</i> Jay.	Lake Champlain.
23	713	<i>humilis</i> Say.	South Carolina.
23	714	<i>jugularis</i> Say.	Lake Champlain.
23	715	<b>Kirtlandianus</b> Lea.	Ohio.
23	716	<b>macrostoma</b> Say.	Western States.
23	717	<b>megasoma</b> Say.	Iowa & Vermont.
23	718	<b>modicella</b> Say.	Oswego.
23	719	<b>Nuttalliana</b> Lea.	Oregon.
23	720	<b>obrussa</b> Say.	Pennsylvania.
23	721	<i>pallida</i> Adams.	Vermont.
23	722	<i>parva</i> Lea.	Ohio.
23	723	<b>Philadelphica</b> Lea.	Schuykill.
23	724	<b>platyostoma</b> Hald.	Vermont.
23	725	<b>planulata</b> Lea.	Virginia.
23	726	<i>plica</i> Lea.	Tennessee.
23	727	<i>reflexa</i> Say.	Ohio.
24	728	<i>rustica</i> Lea.	Ohio.
24	729	<i>strigosa</i> Lea.	Ohio.
24	730	<i>solida</i> Lea.	Oregon.
24	731	<i>umbrosa</i> Say.	Ohio.
24	732	<i>umbilicata</i> Adams.	New Bedford.
24	733	<i>pinguis</i> Say.	Schuykill.
24	734	<b>Melania acuta</b> Lea.	Tennessee.
24	735	<i>alveare</i> Conrad.	Alabama.
24	736	<i>annulifera</i> Conrad.	Alabama.
24	737	<i>armigera</i> Say.	Kentucky.
24	738	<i>altilis</i> Lea.	Susquehanna.
24	739	<i>acuto-carinata</i> Lea.	Tennessee.
24	740	<i>bitenata</i> Conrad.	Alabama.
24	741	<i>blanda</i> Lea.	Tennessee.
24	742	<b>Babylonica</b> Lea.	Ohio.
24	743	<b>Boykineana</b> Lea.	Georgia.
24	744	<i>brevis</i> Lea.	Alabama.
24	745	<b>Buddii</b> De Kay.	Erie canal.
24	746	<i>canaliculata</i> Say.	Ohio.
24	747	<i>cancellata</i> Say.	Florida.
24	748	<i>carinata</i> Rav.	North Carolina.
24	749	<i>catenaria</i> Say.	South Carolina.
24	750	<i>calyginosa</i> Lea.	Tennessee.



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24	751	<b>Melania catenoides</b> <i>Lea.</i>	Georgia.
24	752	<b>castanea</b> <i>Lea.</i>	Tennessee.
24	753	<b>circinata</b> <i>Lea.</i>	Tennessee.
24	754	<b>comma</b> <i>Conrad.</i>	Alabama.
24	755	<b>congesta</b> <i>Conrad.</i>	Alabama.
24	756	<b>carinifera</b> <i>Lam.</i>	Cherokee country.
24	757	<b>corrugata</b> <i>Lea.</i>	Tennessee.
24	758	<b>columella</b> <i>Lea.</i>	Ohio.
24	759	<b>conica</b> <i>Say.</i>	Kentucky.
24	760	<b>costulata</b> <i>Lea.</i>	Tennessee.
24	761	<b>concina</b> <i>Lea.</i>	Tennessee.
24	762	<b>crebricostata</b> <i>Lea.</i>	Tennessee.
25	763	<b>clavæformis</b> <i>Lea.</i>	Tennessee.
25	764	<b>curvata</b> <i>Lea.</i>	Tennessee.
25	765	<b>Cuneyana</b> <i>Lea.</i>	Kentucky.
25	766	<b>cylindrica</b> <i>Conrad.</i>	Alabama.
25	767	<b>depygis</b> <i>Say.</i>	Ohio.
25	768	<b>decora</b> <i>Lea.</i>	Kentucky.
25	769	<b>Deshayesiana</b> <i>Lea.</i>	Tennessee.
25	770	<b>Duttoniana</b> <i>Lea.</i>	Tennessee.
25	771	<b>dubiosa</b> <i>Lea.</i>	Tennessee.
25	772	<b>ebenum</b> <i>Lea.</i>	Tennessee.
25	773	<b>Edgariana</b> <i>Lea.</i>	Tennessee.
25	774	<b>elongata</b> <i>Lea.</i>	Tennessee.
25	775	<b>elevata</b> <i>Say.</i>	Ohio.
25	776	<b>expansa</b> <i>Lea.</i>	Alabama.
25	777	<b>excurvata</b> <i>Conrad.</i>	Tennessee.
25	778	<b>exilis</b> <i>Hald.</i>	Ohio.
25	779	<b>florentina</b> <i>Lea.</i>	Alabama.
25	780	<b>Formanii</b> <i>Lea.</i>	Alabama.
25	781	<b>formosa</b> <i>Conrad.</i>	Alabama.
25	782	<b>fuscata</b> <i>Desh.</i>	Virginia.
25	783	<b>fuliginosa</b> <i>Lea.</i>	Tennessee.
25	784	<b>fusiiformis</b> <i>Lea.</i>	Tennessee.
25	785	<b>glabra</b> <i>Lea.</i>	Tennessee.
25	786	<b>globula</b> <i>Lea.</i>	Tennessee.
25	787	<b>gracilis</b> <i>Lea.</i>	Tennessee.
25	788	<b>Haysiana</b> <i>Lea.</i>	Tennessee.
25	789	<b>Holstoniana</b> <i>Lea.</i>	Tennessee.
25	790	<b>Hildrethiana</b> <i>Lea.</i>	Ohio.
25	791	<b>Hydell</b> <i>Conrad.</i>	Alabama.
25	792	<b>impressa</b> <i>Lea.</i>	Alabama.
25	793	<b>inflata</b> <i>Lea.</i>	Virginia.
25	794	<b>integra</b> <i>Say.</i>	Ohio.
25	795	<b>interrupta</b> <i>Hald.</i>	Tennessee.

Page.	No.	Name.	Locality.
25	796	<i>Melania Jayana</i> Lea.	Tennessee.
25	797	<i>Kirtlandiana</i> Lea.	Ohio.
25	798	<i>laqueata</i> Say.	Cumberland river.
26	799	<i>Lecontiana</i> Lea.	Georgia.
26	800	<i>lima</i> Conrad.	Alabama.
26	801	<i>læta</i> Jay.	Alabama.
26	802	<i>lævigata</i> Lea.	Clairborne.
26	803	<i>melanoides</i> Conrad.	Alabama.
23	804	<i>monozonalis</i> Lea.	Tennessee.
26	805	<i>multilineata</i> Say.	Ohio.
26	806	<i>multistriata</i> Lea.	Alabama.
26	807	<i>nasula</i> Conrad.	Alabama.
26	808	<i>nupera</i> Say.	Wabash.
26	809	<i>Nickliniana</i> Lea.	Virginia.
26	810	<i>Niagarensis</i> Lea.	Niagara.
26	811	<i>nitens</i> Lea.	Tennessee.
26	812	<i>nodulosa</i> Lea.	Tennessee.
26	813	<i>obovata</i> Say.	Ohio.
26	814	<i>obtusa</i> Lea.	Tennessee.
26	815	<i>Oconeensis</i> Lea.	Tennessee.
26	816	<i>occidentalis</i> Lea.	Cincinnati.
26	817	<i>olivula</i> Conrad.	Alabama.
26	818	<i>oliva</i> Lea.	Alabama.
26	819	<i>Ordiana</i> Lea.	Tennessee.
26	820	<i>oveliana</i> Lea.	Alabama.
26	821	<i>ovalis</i> Lea.	Alabama.
26	822	<i>perfusca</i> Lea.	Tennessee.
26	823	<i>pilcifera</i> Lea.	Oregon.
26	824	<i>picta</i> Lea.	Tennessee.
26	825	<i>piluta</i> Lea.	Tennessee.
26	826	<i>Potosiensis</i> Lea.	Missouri.
26	827	<i>proxima</i> Say.	N. & S. Carolina.
26	828	<i>prasinata</i> Conrad.	Alabama.
26	829	<i>producta</i> Lea.	Tennessee.
26	830	<i>pyrinella</i> Conrad.	Alabama.
26	831	<i>regularis</i> Lea.	Tennessee.
26	832	<i>robusta</i> Lea.	Alabama.
26	833	<i>rufa</i> Lea.	Tennessee.
26	834	<i>salebrosa</i> Conrad.	Tennessee.
27	835	<i>Sayii</i> Ward.	Ohio.
27	836	<i>semicarinata</i> Say.	Ohio.
27	837	<i>simplex</i> Say.	Virginia.
27	838	<i>sordida</i> Lea.	Tennessee.
27	839	<i>strigosa</i> Lea.	Tennessee.
27	840	<i>stygia</i> Say.	Tennessee.

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27	841	<b>Melania striata</b> <i>Lea.</i>	Tennessee.
27	842	<i>subularis</i> <i>Lea.</i>	Niagara Falls.
27	843	<i>subglobosa</i> <i>Say.</i>	Ohio.
27	844	<i>subsollida</i> <i>Lea.</i>	Tennessee.
27	845	<i>subcylindracea</i> <i>Lea.</i>	Tennessee.
27	846	<i>substriata</i> <i>Hald.</i>	Ohio.
27	847	<i>substricta</i> <i>Hald.</i>	Tennessee.
27	848	<i>suturalis</i> <i>Hald.</i>	Tennessee.
27	849	<i>sulcosa</i> <i>Lea.</i>	Tennessee.
27	850	<i>Taitiana</i> <i>Lea.</i>	Clairborne.
27	851	<i>teres</i> <i>Lea.</i>	Tennessee.
27	852	<i>terebralis</i> <i>Lea.</i>	Tennessee.
27	853	<i>tenebrosa</i> <i>Lea.</i>	Tennessee.
27	854	<i>torquata</i> <i>Lea.</i>	Tennessee.
27	855	<i>Troostiana</i> <i>Lea.</i>	Tennessee.
27	856	<i>trochiformis</i> <i>Conrad.</i>	Alabama.
27	857	<i>trilineata</i> <i>Say.</i>	Ohio.
27	858	<i>tuberculata</i> <i>Lea.</i>	Tennessee.
27	859	<i>turgida</i> <i>Lea.</i>	Tennessee.
27	860	<i>undulata</i> <i>Lea.</i>	Ohio.
27	861	<i>Vanuxemensis</i> <i>Lea.</i>	Alabama.
27	862	<i>varicosa</i> <i>Ward.</i>	Ohio.
27	863	<i>vestita</i> <i>Conrad.</i>	Alabama.
27	864	<i>venusta</i> <i>Say.</i>	Tennessee.
27	865	<i>Virginica</i> <i>Say.</i>	Middle States.
27	866	<i>virgata</i> <i>Lea.</i>	Cincinnati.
27	867	<i>viridis</i> <i>Lea.</i>	Cincinnati.
27	868	<i>Wardiana</i> <i>Lea.</i>	Virginia.
27	869	<b>Anculosa angulata</b> <i>Conrad.</i>	Alabama.
28	870	<i>bella</i> <i>Lea.</i>	Alabama.
28	871	<i>carinata</i> <i>Lea.</i>	Roanoke.
28	872	<i>costata</i> <i>Anthony.</i>	Virginia & Ohio.
28	873	<i>dentata</i> <i>Couth.</i>	Potomac.
28	874	<i>dissimilis</i> <i>Say.</i>	Ohio.
28	875	<i>Formanii</i> <i>Lea.</i>	Alabama.
28	876	<i>gibbosa</i> <i>Lea.</i>	Tennessee.
28	877	<i>Griffithiana</i> <i>Lea.</i>	Alabama.
28	878	<i>integra</i> <i>Say.</i>	Alabama.
28	879	<i>isogona</i> <i>Say.</i>	Ohio.
28	880	<i>Kirtlandiana</i> <i>Anthony.</i>	Virginia.
28	881	<i>monodontoides</i> <i>Conrad.</i>	Virginia.
28	882	<i>nigrescens</i> <i>Conrad.</i>	Maryland.
28	883	<i>obovata</i> <i>Lea.</i>	Alabama.
28	884	<i>picta</i> <i>Conrad.</i>	Alabama.
28	885	<i>plicata</i> <i>Conrad.</i>	Tennessee.

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28	886	<b>Anculosa prærosa</b> Say.	Ohio & Tennessee.
28	887	<b>pumilis</b> Conrad.	Black Warrior.
28	888	<b>planulata</b> Lea.	Alabama.
28	889	<b>rubiginosa</b> Lea.	Alabama.
28	890	<b>solida</b> Lea.	Alabama.
28	891	<b>subglobosa</b> Say.	Tennessee.
28	892	<b>tæniata</b> Conrad.	Alabama.
28	893	<b>turgida</b> Hald.	Alabama.
28	894	<b>tuberculata</b> Lea.	Alabama.
28	895	<b>Troostiana</b> Lea.	Tennessee.
28	896	<b>variabilis</b> Lea.	Roanoke.
28	897	<b>Lythasia genicula</b> Lea.	Alabama.
28	898	<b>Schizostoma incisa</b> Lea.	Alabama.
28	899	<b>excisa</b> Lea.	Alabama.
28	900	? <i>Lea</i> (new).	Alabama.
28	901	? <i>Lea</i> (new).	Alabama.
28	902	<b>Io fusiformis</b> Say.	Holstein river, Va.
29	903	<b>spinosa</b> Lea.	Holstein river, Va.
29	904	<b>tenebrosa</b> Lea.	Tennessee.
29	905	<b>Pirena scalariformis</b> Say.	Fresh water lakes and Florida Keys.
29	906	<b>Valvata arenifera.</b>	Schuykill.
29	907	<b>cinerea</b> Say.	Western States.
29	908	<b>buccata</b> Lea.	Schuykill.
29	909	<b>humeralis.</b>	
29	910	<b>pupoides</b> Gould.	Massachusetts.
29	911	<b>tricarinata</b> Say.	Mass. to Missouri.
29	912	<b>unicarinata</b> De Kay.	Erie canal.
29	913	<b>Paludina angulata</b> Lea.	Alabama.
29	914	<b>bimonilifera</b> Lea.	Alabama.
29	915	<b>Coosaensis</b> Lea.	Coosa river, Ala.
29	916	<b>canaliculata</b> Gould.	Massachusetts.
29	917	<b>cyclostomaformis</b> Lea.	Alabama.
29	918	<b>coarctata</b> Lea.	Alabama.
29	919	<b>decisa</b> Say.	Ohio.
29	920	<b>elongata</b> Swains.	Florida.
29	921	<b>Georgiana</b> Lea.	Georgia.
29	922	<b>grana</b> Say.	Pennsylvania.
29	923	<b>heterostropha</b> Tappan.	Ohio.
29	924	<b>hyalina</b> Lea.	Ohio.
29	925	<b>integra</b> Say.	Ohio.
29	926	<b>intertexta</b> Say.	Louisiana.
29	927	<b>incrassata</b> Lea.	Alabama.
29	928	<b>limosa</b> Say.	Western States.
29	929	<b>magnifica</b> Lea.	Georgia.

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29	930	<i>Paludina Nickliniana</i> <i>Lea.</i>	Hot Springs, Va.
29	931	<i>Nuttalliana</i> <i>Lea.</i>	Oregon.
29	932	<i>nuclea</i> <i>Lea.</i>	Oregon.
29	933	<i>obtusa</i> <i>Lea.</i>	Ohio.
29	934	<i>pallida</i> <i>Lea.</i>	Ohio.
29	935	<i>ponderosa</i> <i>Say.</i>	Ohio.
30	936	<i>regularis</i> <i>Lea.</i>	Ohio.
30	937	<i>subcarinata</i> <i>Say.</i>	Ohio.
30	938	<i>subglobosa</i> <i>Say.</i>	Iowa.
30	939	<i>subpurpurea</i> <i>Say.</i>	Illinois.
30	940	<i>transversa</i> <i>Say.</i>	Louisiana.
30	941	<i>Troostiana</i> <i>Lea.</i>	Tennessee.
30	942	<i>unicolor</i> <i>Lam.</i>	South Carolina.
30	943	<i>virens</i> <i>Lea.</i>	Oregon.
30	944	<i>vivipara</i> <i>Lam.</i>	Southern States.
30	945	<i>scalaris</i> <i>Say.</i>	Florida.
30	946	<i>Amnicola albilabris</i> <i>Ward.</i>	Ohio.
30	947	<i>Cincinnatiensis</i> <i>Anthony.</i>	Ohio.
30	948	<i>dentata</i> <i>Say.</i>	Florida.
30	949	<i>lapidaria</i> <i>Say.</i>	Ohio.
30	950	<i>ustrica</i> <i>Say.</i>	Ohio.
30	951	<i>orbiculata</i> <i>Lea.</i>	Ohio.
30	952	<i>porata</i> <i>Say.</i>	Ohio.
30	953	<i>parva</i> <i>Lea.</i>	Ohio.
30	954	<i>pallida</i> <i>Lea.</i>	Massachusetts.
30	955	<i>Sayana</i> <i>Lea</i>	Ohio.
30	956	<i>gibbosa</i> <i>Anthony.</i>	Ohio.
30	957	<i>tenuipes</i> <i>Hald.</i>	Georgia.
30	958	<i>Ampularia rugosa</i> <i>Lam.</i>	Mississippi.
30	959	<i>depressa</i> <i>Say.</i>	Florida.
30	960	<i>rotundata</i> <i>Say.</i>	Florida.
30	961	<i>Hopetonensis</i> <i>Lea.</i>	Hopeton, Ga.
30	962	<i>Neritina reolivata</i> <i>Say.</i>	Florida.
30	963	<i>Natica alba</i> <i>Say.</i>	Florida.
31	964	<i>canaliculata</i> <i>Gould.</i>	Massachusetts.
31	965	<i>canrena</i> <i>Lam.</i>	Southern coast.
31	966	<i>clausa</i> <i>Brod.</i>	Massachusetts bay.
31	967	<i>duplicata</i> <i>Say.</i>	New York.
31	968	<i>heros</i> <i>Say.</i>	New York.
31	969	<i>immaculata</i> <i>Totten.</i>	Maine to New York.
31	970	<i>flava</i> <i>Gould.</i>	Massachusetts bay.
31	971	<i>lunata</i> <i>Say.</i>	Southern coast.
31	972	<i>pusilla</i> <i>Say.</i>	Southern coast.
31	973	<i>triseriata</i> <i>Say.</i>	Atlantic coast.
31	974	<i>Sigaretus hallotoideus</i> <i>Lam.</i>	Massachusetts bay.

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31	975	<i>Sigaretus maculatus Say.</i>	Southern coast.
31	976	<i>perspectivus Say.</i>	New Jersey.
31	977	<i>Velutina lævigata Brown.</i>	Cape Ann.
31	978	<i>ovata Brown.</i>	Cape Ann.
31	979	<i>zonata Gould.</i>	Massachusetts bay.
31	980	<i>Odostomia exigua Couth.</i>	Boston bay
31	981	<i>convoluta Gould.</i>	Massachusetts bay.
31	982	<i>fusca Adams.</i>	Eastern States.
31	983	<i>producta Adams.</i>	Eastern States.
31	984	<i>seminuda Adams.</i>	Eastern States.
31	985	<i>trifida Totten.</i>	Rhode Island.
31	986	<i>Tornatella punctostriata Ad.</i>	New York bay.
31	987	<i>Vermetus lumbricalis Linn.</i>	Newport R. I.
31	988	<i>Janthina communis Lam.</i>	Nantucket.
31	989	<i>fragilis Brug.</i>	New Bedford.
31	990	<i>Scalaria clathrus Say.</i>	Southern coast.
31	991	<i>Grœnlandica.</i>	Massachusetts bay.
31	992	<i>Humphreysii Kiener.</i>	Atlantic coast.
32	993	<i>lineata Say.</i>	Atlantic coast.
32	994	<i>multistriata Say.</i>	Southern coast.
32	995	<i>Novangliæ Couth.</i>	Massachusetts bay.
32	996	<i>Delphinula laxa Say.</i>	South Carolina.
32	997	<i>Skenea serpuloides Adams.</i>	Boston bay.
32	998	<i>Trochus occidentalis Mighels.</i>	Maine.
32	999	<i>Turbo canaliculata Say.</i>	Southern States.
32	1000	<i>Margarita arctica Leach.</i>	Massachusetts bay.
32	1001	<i>argentata Gould.</i>	Cohasset, Mass.
32	1002	<i>acuminata Sowerby.</i>	Maine.
32	1003	<i>cinerea Couth.</i>	Massachusetts bay.
32	1004	<i>obscura Couth.</i>	Nahant.
32	1005	<i>varicosa Mighels.</i>	Maine.
32	1006	<i>undulata Sowerby.</i>	Phillips' beach.
32	1007	<i>Littorina rudis Donv.</i>	Atlantic coast.
32	1008	<i>tenebrosa Mont.</i>	Massachusetts bay.
32	1009	<i>palliatâ Say.</i>	Atlantic coast.
32	1010	<i>Lacuna fusca Adams.</i>	Massachusetts bay.
32	1011	<i>neritoidea Gould.</i>	Chelsea beach.
32	1012	<i>vineta Mont.</i>	Massachusetts bay.
32	1013	<i>Cingula minuta Totten.</i>	Atlantic coast.
32	1014	<i>aculeus Gould</i>	Massachusetts bay.
32	1015	<i>semicostata Mont.</i>	Maine.
32	1016	<i>arenaria Mont.</i>	Maine.
32	1017	<i>latior Mighels.</i>	Maine.
32	1018	<i>Pyramis striatula Couth.</i>	Cape Ann.
32	1019	<i>fusca Adams.</i>	New Bedford.

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33	1020	<i>Turritella alternata</i> Say.	Atlantic coast.
33	1021	<i>bisuturalis</i> Say.	Massachusetts bay.
33	1022	<i>concava</i> Say.	South Carolina.
33	1023	<i>costulata</i> Mighels.	Maine.
33	1024	<i>erosa</i> Couth.	Massachusetts bay.
33	1025	<i>equalis</i> Say.	South Carolina.
33	1026	<i>impressa</i> Say.	Maryland.
33	1027	<i>interrupta</i> Totten.	Rhode Island.
33	1028	<i>reticulata</i> Mighels.	Maine.
33	1029	<i>Cerithium ferrugineum</i> Say.	Florida.
33	1030	<i>Greenii</i> Adams.	Dartmouth harbor.
33	1031	<i>Emersonii</i> Adams.	New Bedford.
33	1032	<i>nigrocinctum</i> Adams.	New Bedford.
33	1033	<i>terebrale</i> Adams.	New Bedford.
33	1034	<i>muscarium</i> Say.	Florida.
33	1035	<i>septemistriatum</i> Say.	Florida.
33	1036	<i>Sayii</i> Menke.	New Bedford.
33	1037	?	New York bay.
33	1038	<i>Pleurotoma bicarinata</i> Couth.	Massachusetts bay.
33	1039	<i>decussata</i> Couth.	Massachusetts bay.
33	1040	<i>plicata</i> Adams.	Massachusetts bay.
33	1041	<i>violacea</i> Mighels.	Maine.
33	1042	<i>Cancellaria Couthouyi</i> Jay.	Massachusetts bay.
33	1043	<i>Fasciolaria ligata</i> Mighels.	Maine.
33	1044	<i>Fusus Bamffius</i> Fleming.	Massachusetts bay.
33	1045	<i>cinereus</i> Say.	Atlantic coast.
33	1046	<i>cancellatus</i> Mighels.	Maine.
33	1047	<i>decemcostatus</i> Say.	Massachusetts bay.
33	1048	<i>bicolor</i> Say.	Florida.
33	1049	<i>harpularius</i> Couth.	Massachusetts bay.
33	1050	<i>Islandicus</i> Martini.	Massachusetts bay.
34	1051	<i>muricatus</i> Brown.	Massachusetts bay.
34	1052	<i>rufus</i> Gould.	Massachusetts bay.
34	1053	<i>turricula</i> Brown.	Cape Ann.
34	1054	<i>tornatus</i> Gould.	Massachusetts bay.
34	1055	<i>scalariformis</i> Gould.	Massachusetts bay.
34	1056	<i>pygmæus</i> Gould.	Massachusetts bay.
34	1057	<i>ventricosus</i> Gray.	Massachusetts bay.
34	1058	<i>Pyrula canaliculata</i> Lam.	New York.
34	1059	<i>carica</i> Lam.	New York.
34	1060	<i>perversa</i> Say.	Florida.
34	1061	<i>papyratia</i> Say.	Georgia.
34	1062	<i>spirata</i> Say.	Southern States.
34	1063	<i>Stillmanii</i> De Kay.	New York.
34	1064	<i>Ranella candata</i> Say.	New York bay.

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34	1065	<i>Rostellaria occidentalis</i> Beck.	Stomach of fish.
34	1066	<i>Trichotropis borealis</i> Sowerby.	Massachusetts bay.
34	1067	<i>Strombus gigas</i> Linn.	Mobile bay.
34	1068	<i>pyrolatus</i> Lam.	Mobile bay.
34	1069	<i>pugilis</i> Linn.	Florida.
34	1070	<i>Purpura lapillus</i> Lam.	Massachusetts bay.
34	1071	var. <i>imbricata</i> Lam.	Massachusetts bay.
34	1072	var. <i>bizonalis</i> Lam.	Massachusetts bay.
34	1073	<i>Dolium perdix</i> Lam.	Southern coast.
34	1074	<i>olearium</i> Lam.	Southern coast.
34	1075	<i>Cassis flammea</i> Kiener.	North Carolina.
34	1076	<i>saburon</i> Brug.	North Carolina.
34	1077	<i>Buccinum acutum</i> Say.	St. Simon's island.
35	1078	<i>album</i> Say.	Florida.
35	1079	<i>Donovani</i> Gray.	Maine.
35	1080	<i>ciliatum</i> Gould.	Massachusetts bay.
35	1081	<i>ornatum</i> Say.	Florida.
35	1082	<i>obsoletum</i> Say.	Atlantic coast.
35	1083	<i>rosaceum</i> Gould.	Massachusetts bay.
35	1084	<i>lunatum</i> Say.	Southern States.
35	1085	<i>trivittatum</i> Say.	New York.
35	1086	<i>undatum</i> Linn.	Massachusetts bay.
35	1087	<i>unicinctum</i> Say.	South Carolina.
35	1088	<i>Wheatleyi</i> De Kay.	New York bay.
35	1089	<i>vibex</i> Say.	Massachusetts bay.
35	1090	<i>Terebra Petitti</i> Kiener.	Georgia.
35	1091	<i>Columbella avara</i> Say.	Mass. to Georgia.
35	1092	<i>mercatoria</i> Say.	Florida.
35	1093	<i>Marginella carnea</i> Storer.	Florida.
35	1094	<i>flavida</i> Redfield.	Florida.
35	1095	<i>Olivia conoidalis</i> Lam.	Florida keys.
35	1096	<i>erythostoma</i> Lam.	Florida keys.
35	1097	<i>Sayana</i> Lam.	Florida keys.
35	1098	<i>litterata</i> Say.	Florida keys.
35	1099	<i>textilina</i> Lam.	Florida keys.
35	1100	<i>oryza</i> Lam.	Florida keys.
35	1101	<i>mutica</i> Say.	Southern States.
35	1102	<i>zonalis</i> .	Southern States.
35	1103	<i>Conus leucostricus</i> Gmelin.	Florida keys.
35	1104	<i>mamillaris</i> Green.	Florida keys.
35	1105	<i>Pealei</i> Green.	Florida keys.
35	1106	<i>mus</i> Brug.	Florida keys.
35	1107	<i>verrucosus</i> Lam.	Florida keys.
35	1108	<i>Spirula Peronii</i> Lam.	Nantucket.



**Gould.**—Expedition Shells described for the work of the United States Exploring Expedition, commanded by Charles Wilkes, U. S. N.: by AUG. A. GOULD, M. D. Boston, 1846. (Vide Proceedings of the Boston Soc. Nat. Hist., vol. ii.)

(Under this title, Dr. GOULD distributed extras of his papers in Boston Society's Proceedings.)

**Redfield.**—Description of some New Species of Shells: by JOHN H. REDFIELD. (Annals of N. Y. Lyc. Nat. Hist., vol. iv, No. 5, p. 163. 1846.)

Page.	Plate.	Fig.	Name.	Locality.
165	xi	2	<i>Triton Oregonense</i> Redfield.	Straits of San Juan de Fuca, Oregon.

**Gibbes.**—Molluscous Animals of South Carolina: by Prof. LEWIS R. GIBBES. (From Appendix to the Geology of South Carolina, 1848. No descriptions are given.)

Page.	Name.	Page.	Name.
xix	<i>Octopus granulatus</i> Lam.	xix	<i>Pupa ovata</i> Say.
xix	<i>Loligo brevipenna</i> Les.	xix	<i>pentodon</i> Say.
xix	<i>Spirula Peronii</i> Lam.	xix	<i>Bullimus decollatus</i> L.
xix	<i>Tebennophorus Carolinensis</i> Bosc.	xix	——— ?
xix	<i>Limax flavus</i> Linn.	xix	<i>Glandina truncata</i> Gmel.
xix	<i>Helix albolabris</i> Say.	xix	<i>Succinea campestris</i> Say.
xix	<i>major</i> Binn.	xix	<i>ovalis</i> Say.
xix	<i>aspera</i> Müll.	xix	<i>Auricula bidentata</i> Say.
xix	<i>thyroidus</i> Say.	xix	<i>obliquus</i> Say.
xix	<i>tridentata</i> Say.	xix	<i>Planorbis lentus</i> Say.
xix	<i>fallax</i> Say.	xix	<i>parvus</i> Say.
xix	<i>appressa</i> Say.	xix	<i>glabratus</i> Say.
xix	<i>auriculata</i> Say.	xix	<i>Physa gyrina</i> Say.
xix	<i>Carolinensis</i> Lea.	xx	<i>Limnæus columella</i> Say.
xix	<i>inornata</i> Say.	xx	<i>macrostoma</i> Say.
xix	<i>concava</i> Say.	xx	<i>humilis</i> Say.
xix	<i>alternata</i> Say.	xx	<i>Paludina decisa</i> .
xix	<i>perspectiva</i> Say.	xx	<i>integra</i> Say.
xix	<i>gularis</i> Say.	xx	<i>intertexta</i> Say.
xix	<i>pulchella</i> Müll.	xx	<i>Melania proxima</i> Say.
xix	<i>Pupa rupicola</i> .	xx	<i>catenaria</i> Say.
xix	<i>fallax</i> Say.	xx	<i>altilis</i> Lea.
		xx	<i>Ancylus</i> —— ?

Page.		Page.	
xx	<i>Fissurella alternata</i> Say.	xxi	<i>Oliva literata</i> Lam.
xx	<i>Crepidula fornicata</i> Linn.	xxi	<i>mutica</i> Say.
xx	<i>plana</i> Say.	xxi	<i>Unio complanatus</i> Sol.
xx	<i>aculeata</i> Gmel.	xxi	<i>confertus</i> Lea.
xx	<i>Chiton apiculatus</i> Say.	xxi	<i>congaræus</i> Lea.
xx	<i>Bulla solitaria</i> Say.	xxi	<i>fulvus</i> Lea.
xx	<i>canaliculata</i> Say.	xxi	<i>Geddingsianus</i> Lea.
xx	<i>Aplysia</i> ———	xxi	<i>Griffithianus</i> Lea.
xx	<i>Sigaretus perspectivus</i> S.	xxi	<i>jejunus</i> Rav.
xx	<i>Natica pusilla</i> Say.	xxi	<i>palliatus</i> Lea.
xx	<i>duplicata</i> Say.	xxi	<i>Watereensis</i> Lea.
xx	<i>Scalaria clathrus</i> L.	xxi	<i>angustatus</i> Lea.
xx	<i>multistriata</i> Say.	xxi	<i>foliatus</i> Lea.
xx	<i>lineata</i> Say.	xxi	<i>Vaughanianus</i> Lea.
xx	<i>Littorina irrorata</i> Say.	xxi	<i>modioliformis</i> Lea.
xx	<i>Turritella</i> ——— ?	xxi	<i>tenerus</i> Rav.
xx	<i>Cancellaria reticulata</i> L.	xxi	<i>crocatus</i> Lea.
xx	<i>Pleurotoma pusilla</i> Rav.	xxi	<i>tæniatus</i> Conr.
xx	<i>Fusus cinereus</i> Say.	xxi	<i>Margaritana marginata</i> Say.
xx	<i>Fasciolaria tulipa</i> L.	xxi	<i>Anodon fluviatilis</i> Sol.
xx	<i>distans</i> Lam.		<i>A. cataracta</i> Say.
xx	<i>gigantea</i> Kiener.	xxi	<i>Dunlapiana</i> Lea.
xx	<i>Pyrula canaliculata</i> Linn.	xxi	<i>incerta</i> Lea.
xx	<i>carica</i> Lam.	xxi	<i>Cyclas partumela</i> Say.
xx	<i>perversa</i> Linn.	xxi	<i>Cyrena Carolinensis</i> Bosc.
xx	<i>pyrum</i> Dillw.	xxi	<i>Venus mercenaria</i> L.
xx	<i>Ranella caudata</i> Say.	xxi	<i>notata</i> Say.
xx	<i>Murex</i> ———	xxi	<i>paphia</i> L.
xx	<i>Strombus alatus</i> Gmel.	xxi	<i>elevata</i> Say.
xx	<i>Cassis sulcosa</i> Lam. ?	xxi	<i>Artemis concentrica</i> Born.
xx	<i>Purpura cataracta</i> Chemn.	xxi	<i>Astarte lunulata</i> Conr.
xx	<i>Dolium galea</i> L.	xxi	<i>Lucina tigrina</i> L.
xx	<i>Nassa uncinata</i> Say.	xxi	<i>divaricata</i> L.
xx	<i>obsoleta</i> Say.	xxi	<i>edentula</i> L.
xx	<i>vibex</i> Say.	xxi	<i>Cardita tridentata</i> Say.
xx	<i>trivittata</i> Say.	xxi	<i>Cardium isocardia</i> L.
xx	<i>Terebra clavata</i> Rav.	xxi	<i>muricatum</i> L.
xx	<i>dislocata</i> Say.	xxi	<i>marmoreum</i> Lam.
xx	<i>concava</i> Say.	xxi	<i>ventricosum</i> Brug.
xx	<i>Columbella avara</i> Say.	xxi	<i>Arca incongrua</i> Say.
xx	<i>lunata</i> Say.	xxi	<i>peyata</i> Say.
xx	<i>Voluta junonia</i> Chemn.	xxi	<i>ponderosa</i> Say.
xx	<i>Marginella spiliota</i> Rav.	xxi	<i>transversa</i> Say.
xx	<i>guttata</i> ? Dillw.	xxi	<i>Nucula approxima</i> Say.
xxi	<i>Ovula acicularis</i> Lam.	xxi	<i>acuta</i> Conr.

Page.		Page.	
xxi	<i>Sanguinolaria fusca</i> Say.	xxii	<i>Solen viridis</i> Say.
xxi	<i>lusoria</i> Say.	xxii	<i>Solecurtus caribæus</i> Lam.
xxi	<i>Psammobia Cayennensis</i> Lam.	xxii	<i>fragilis</i> Pult.
xxi	<i>Tellina maculosa</i> Lam.	xxii	<i>Pholas costata</i> Linn.
xxi	<i>alternata</i> Say.	xxii	<i>oblongata</i> Say.
xxi	<i>polita</i> Say.	xxii	<i>truncata</i> Say.
xxi	<i>iris</i> Say.	xxii	<i>semicostata</i> Lea.
xxi	<i>tenera</i> Say.	xxii	<i>ovneiformis</i> Say.
xxi	<i>flexuosa</i> Say.	xxii	<i>Teredo palmulatus</i> ?
xxi	<i>brevifrons</i> Say.	xxii	<i>Chama arcinella</i> Linn.
xxi	<i>Donax variabilis</i> Say.	xxii	<i>Mytilus tulipa</i> Lam.
xxii	<i>Saxicava distorta</i> Say.	xxii	<i>plicatula</i> Lam.
xxii	<i>Petricola pholadiformis</i> Lam.	xxii	<i>cubitus</i> Say.
xxii	<i>dactylus</i> Sowb.	xxii	<i>domingensis</i> Lam.
xxii	<i>Lutraria canaliculata</i> Say.	xxii	<i>lateralis</i> Say.
xxii	<i>lineata</i> Say.	xxii	<i>castanea</i> Say.
xxii	<i>Macra similis</i> Say.	xxii	<i>lithophaga</i> Linn.
xxii	<i>lateralis</i> Say.	xxii	<i>oandigera</i> Lam.
xxii	<i>oblongata</i> Say.	xxii	<i>attenuata</i> Desh.
xxii	<i>tellinoides</i> Conr.	xxii	<i>leucopheatus</i> Conr.
xxii	<i>Amphidesma orbiculata</i> S.	xxii	<i>Pinna muricata</i> Linn.
xxii	<i>equalis</i> Say.	xxii	<i>seminuda</i> Lam.
xxii	<i>lepida</i> Say.	xxii	<i>Avicula Atlantica</i> Lam.
xxii	<i>punctata</i> Say.	xxii	<i>Pecten dislocatus</i> Say.
xxii	<i>Mya arenaria</i> L.	xxii	<i>Plicatula cristata</i> Lam.
xxii	<i>Corbula contracta</i> Say.	xxii	<i>Anomia ephippium</i> Linn.
xxii	<i>Solen ensis</i> L.	xxii	<i>Ostrea Virginiana</i> List.
		xxii	<i>fundata</i> Say.
		xxii	<i>equestris</i> Say.

**Western Academy.**—Catalogue of the Unios, Alasmodontas, and Anodontas of the Ohio River and its Northern Tributaries, adopted by the Western Acad. of Natural Sciences of Cincinnati, January, 1849.

Page.		Page.	
3	<i>Unio abruptus</i> Say. <i>U. orbiculatus</i> Hild.	3	<i>Unio catillus</i> Conr. <i>U. coccineus</i> ? Hald. Gouldianus Ward (white naacre).
3	<i>Æsopus</i> Green.		
3	<i>alatus</i> Say. <i>U. megaptera</i> Raf.	3	<i>oleatricosus</i> Say. <i>U. varicosus</i> Lea.
3	<i>anodontoides</i> Lea. <i>U. teres</i> ? Raf.		

Page.		Page.	
5	<b>Unio circulus</b> <i>Lea.</i> <i>U. lens</i> <i>Lea.</i> <i>subrotunda?</i> <i>Raf.</i>	9	<b>Unio lævissimus</b> <i>Lea.</i> <i>Symph. lævissima</i> <i>Lea.</i>
5	<b>clavus</b> <i>Lam.</i> <i>U. scalenia</i> <i>Raf.</i> <i>patulus</i> <i>Lea.</i>	9	<b>lapillus</b> <i>Say.</i> <i>U. fabalis</i> <i>Lea.</i>
5	<b>compressus</b> <i>Lea.</i> <i>Symph. compressa</i> <i>Lea.</i>	9	<b>monodontus</b> <i>Say.</i> <i>U. soleniformis</i> <i>Lea.</i>
5	<b>Cooperianus</b> <i>Lea.</i>	11	<b>multiradiatus</b> <i>Lea.</i> <i>U. fasciola?</i> <i>Raf.</i>
5	<b>cornutus</b> <i>Barnes.</i>	11	<b>nodosus</b> <i>Barnes.</i> <i>U. metanевра?</i> <i>Raf.</i>
5	<b>crassus</b> <i>Say.</i> <i>U. ellipsaria</i> <i>Raf.</i> <i>ellipticus</i> <i>Barnes.</i> <i>carinatus</i> <i>Barnes.</i> <i>ligamentina</i> <i>Lam.</i>	11	<b>nodulatus</b> <i>Raf.</i> <i>U. pustulatus</i> <i>Lea.</i>
5	<b>cylindricus</b> <i>Say.</i> <i>U. naviformis</i> <i>Lam.</i> <i>solenoides</i> <i>Raf.</i>	11	<b>ovatus</b> <i>Say.</i>
7	<b>cuneatus</b> <i>Barnes.</i> <i>U. nigra</i> <i>Raf.</i>	11	<b>parvus</b> <i>Barnes.</i>
7	<b>dehiscens</b> <i>Say.</i> <i>U. oriens</i> <i>Lea.</i>	11	<b>perplexus</b> <i>Lea.</i> <i>U. gibbosa?</i> <i>Raf.</i>
7	<b>donaciformis</b> <i>Lea.</i> <i>U. zig-zag</i> <i>Lea.</i>	11	<b>personatus</b> <i>Say</i> (female). <i>U. capillaris</i> <i>Lea</i> (fem.) <i>pileus</i> <i>Lea</i> (male).
7	<b>ebenus</b> <i>Lea.</i>	11	<b>phaseolus</b> <i>Hildr.</i> <i>U. planulatus</i> <i>Lea.</i> <i>camelus</i> <i>Lea.</i>
7	<b>elegans</b> <i>Lea.</i>	13	<b>planus</b> <i>Barnes.</i> <i>U. leptodon</i> <i>Raf.</i> <i>velum</i> <i>Say</i> (female). <i>Anod purpurascens</i> <i>Swain.</i> <i>U. tenuissimus</i> <i>Lea.</i>
7	<b>ellipsis</b> <i>Lea.</i>	13	<b>plicatus</b> <i>Say.</i> <i>U. costata</i> <i>Raf.</i> <i>rariPLICATA</i> <i>Lam.</i> <i>undulatus</i> <i>Desh.</i>
7	<b>flavus</b> <i>Raf.</i> <i>U. rubiginosus</i> <i>Lea.</i> <i>trigonus?</i> <i>Lea.</i>	13	<b>politus</b> <i>Say.</i> <i>U. subrotundus</i> <i>Lea.</i>
7	<b>flexuosus</b> <i>Raf.</i> (male). <i>U. foliatus</i> <i>Hild.</i> (female).	13	<b>pustulosus</b> <i>Lea.</i> <i>U. verrucosus albus</i> <i>Hild.</i>
7	<b>fragosus</b> <i>Conr.</i>	13	<b>Rangianus</b> <i>Lea.</i>
9	<b>gibbosus</b> <i>Barnes.</i> <i>U. nasutus</i> <i>Lam.</i> <i>dilatata</i> <i>Raf.</i> <i>arctior</i> <i>Lea</i> (white nacre).	13	<b>rectus</b> <i>Lam.</i> <i>U. prælongus</i> <i>Barnes.</i> <i>latissima</i> <i>Raf.</i>
9	<b>glans</b> <i>Lea.</i>	13	<b>retusus</b> <i>Lam.</i> <i>U. torsa</i> <i>Raf.</i>
9	<b>gracilis</b> <i>Barnes.</i> <i>Symph. gracilis</i> <i>Lea.</i>	15	<b>rugosus</b> <i>Barnes.</i> <i>U. quadrula?</i> <i>Raf.</i> <i>lachrymosus</i> <i>Lea.</i> <i>asperrimus</i> <i>Lea.</i>
9	<b>iris</b> <i>Lea.</i> <i>U. subrostratus?</i> <i>Say.</i>		
9	<b>irroratus</b> <i>Lea.</i> <i>U. stegaria?</i> <i>Raf.</i>		

Page.		Page.	
15	<b>Unio Sayii</b> Ward.	17	<b>Unio verrucosus</b> Barnes.
15	<b>securis</b> Lea.		<i>U. tuberculata</i> Raf.
	<i>U. depressa</i> ? Raf.		<i>graniferus</i> Lea.
15	<b>siliquoides</b> Barnes.	17	<b>Alasmodonta ambigua</b> Say.
	<i>U. inflatus</i> Barnes (fem.)		<i>Unio Hildrethianus</i> Lea.
15	<b>sulcatus</b> Lea (male).	17	<b>calceola</b> Lea.
	<i>U. ridibundus</i> Say (fem.)		<i>A. deltoidea</i> ? Lea.
15	<b>triangularis</b> Barnes.		<i>Unio calceola</i> Lea.
	<i>U. cuneatus</i> Swains.	19	<b>confragosa</b> Say.
	<i>formosus</i> Lea (male).	19	<b>complanata</b> Barnes.
	<i>triqueter</i> ? Raf.	19	<b>rugosa</b> Barnes.
15	<b>tuberculatus</b> Barnes.		<i>A. costata</i> Raf.
	<i>U. tuberculosus</i> Val.	19	<b>truncata</b> Say.
	<i>verrucosa</i> Raf.	19	<b>Anodonta areolata</b> Swains.
17	<b>undatus</b> Barnes.		<i>Alas. edentula</i> Say.
	<i>U. cardiacea</i> Say.	19	<b>Ferussaciana</b> Lea.
	<i>mytiloides</i> Raf.	19	<b>imbecillis</b> Say.
	<i>obliqua</i> Lam.		<i>A. incerta</i> Lea.
	<i>pyramidatus</i> Lea.	19	<b>pavonia</b> Lea.
17	<b>undulatus</b> Barnes.		<i>A. Wardiana</i> Lea.
	<i>U. heros</i> Say.	19	<b>plana</b> Lea.
	<i>multiplicatus</i> Lea.		<i>A. decora</i> Lea (young).
17	<b>ventricosus</b> Barnes.		<i>grandis</i> ? Say.
	<i>U. cardiacum</i> ? Raf.		<i>gigantea</i> Lea.
	<i>occidens</i> Lea (female).		
	<i>subovatus</i> Lea (male).		

**Gould.**—Catalogue of Shells with descriptions of New Species:  
by Dr. A. A. GOULD. (From Agassiz's Lake Superior, Boston,  
1850.)

[Localities are given, and descriptions of those specified as new.—  
W. G. B.]

Page.		Page.	
243	<b>Helix albolabris</b> Say.	243	<b>Helix electrina</b> Gould.
243	<b>tridentata</b> Say.	243	<b>chersina</b> Say.
243	<b>thyroidus</b> Say.	243	<b>Vitrina limpida</b> Gould (n. s.)
243	<b>alternata</b> Say.		<i>V. pellucida</i> Say.
243	<b>palliata</b> Say.	243	<b>Succinea ovalis</b> Gould.
243	<b>monodon</b> Rack.	243	<b>obliqua</b> Say.
243	<b>perspectiva</b> Say.	243	<b>avara</b> Say.
243	<b>striatella</b> Anthony.	243	<b>Physa heterostropha</b> Say.
243	<b>concava</b> Say.	244	<b>vinosa</b> Gould (n. sp., pl.
243	<b>arborea</b> Say.		vii, fig. 10, 11).

Page. 244 <i>Physa ancillaria</i> Say. 244 <i>Limnea jugularis</i> Say. 244 <i>caperata</i> Say. 244 <i>humilis</i> Say. 244 <i>catascopium</i> S. (notes). 244 <i>desidiosa</i> Say. 244 <i>lanceata</i> Gould (n. sp., pl. vii, fig. 8, 9). 245 <i>Planorbis bicarinatus</i> Say. 245 <i>parvus</i> Say. 245 <i>Valvata tricarinata</i> Say.	Page. 245 <i>Amnicola grana</i> Say. 245 <i>Paludina ponderosa</i> Say. 245 <i>Melania livescens</i> Menke. <i>M. Niagarensis</i> Lea. 245 <i>subulata</i> . 245 <i>Cyclas similis</i> Say. 245 <i>partumeia</i> Say? 245 <i>Pisidium dubium</i> S. (notes). 245 <i>Unio radiatus</i> Gmel. 245 <i>Anodonta Pepiniana</i> Lea.
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**Agassiz.**—On the Embryology of *Ascidia* and the Characteristics of New Species from the Shores of Massachusetts: by Prof. LOUIS AGASSIZ. (Proc. American Assoc. for Advancement of Science, vol. ii, p. 157, 1850.)

Page. 159 <i>Ascidia amphora</i> Ag. 159 <i>psammophora</i> Ag. 159 <i>ocellata</i> Ag. 159 <i>carnea</i> Ag.	Page. 159 <i>Ascidia hirsuta</i> Ag. 159 <i>rugosa</i> Ag. 159 <i>Boltenia microcosmus</i> Ag.
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**Newberry.**—Geographical Distribution of certain Species of Fluvial and Terrestrial Shells: by J. S. NEWBERRY, M. D. (Proc. American Assoc. for Advancement of Science, vol. v, p. 105, 1851.)

Page.	Name.	Locality.
105	<i>Limnea gracilis</i> .	Congress Lake, Ohio.
105	<i>jugularis</i> .	Congress Lake, Ohio.
105	<i>Melania gracilis</i> .	Congress Lake, Ohio.
105	<i>Ancylus fuscus</i> .	Congress Lake, Ohio.
105	<i>Helix diodonta</i> .	Congress Lake, Ohio.
105	<i>multilineata</i> .	Congress Lake, Ohio.

**Hartman.**—A Classified Catalogue, with Synonyms, of the Terrestrial and Fluvial Testaceous Mollusks of Chester Co., Pa.: by WM. D. HARTMAN, M. D., one of the Curators of the Chester County Cabinet of Natural Sciences. [No date; no descriptions.]

- Unio complanatus** Solander.  
*Mya complanata* Solander.  
*Margarita complanata* Lea.  
*U. purpureus* Say.  
**heterodon** Lea.  
**Alasmodon arcuata** Barnes.  
*Alasmodonta arcuata* Barnes.  
**marginata** Say.  
*Monodonta marginata* Say.  
*Margaritana marginata* Lea.  
**edentula** Say.  
*Anodonta undulata* Say.  
*areolata*? Swainson.  
*rugosa* Swainson.  
*Wardiana* Lea.  
*Pavonia* Lea.  
*Buchanensis* Lea.  
**Anodon grandis** Say (female?).  
*A. plana* Lea (male?).  
*gigantea* Lea.  
*decora* Lea (young).  
**fluvialilis** Dillwyn.  
*Mytilus fluvialilis* Dillwyn.  
*Anodonta cataracta* Say.  
**Cyclas similis** Say.  
*partumela* Say.  
*securis* Prime.  
**Pisidium dubium** Say.  
*Cyclas dubia* Say.  
*abditum* Hald.  
*variabile* Prime.  
*compressum* Prime.  
**Melania Virginica** Say.  
*M. multilineata* (var.?) Say.  
**Ammicola decisa** Hald.  
*granum* Say.  
*Paludina grana* Say.  
**Paludina decisa** Say.  
*subcarinata* Say.  
**Valvata sincera** Say.
- Ancylus rivularis** Say.  
**Limnea columella** Say.  
*L. macrostomus* Say.  
*chalybea* Gould.  
*acuminata* Adams.  
**desidiosa** Say.  
*Limneus desidiosus* Say.  
*Limnea obrussa* Say.  
*acuta* Lea.  
*Philadelphica* Lea.  
**humilis** Say.  
*L. modicellus* Say.  
*parva* Lea.  
**caperata** Say.  
*L. umbilicata* Adams.  
**fragilis** Linn.  
*Helix fragilis* Linn.  
*L. elodes* Say.  
**catascopium** Say.  
*L. pinguis* Say.  
*decollata* (var.) Mighels.  
**Physa heterostropha** Say.  
*Lymnea heterostropha* Say.  
*P. aurea* Lea.  
**gyrina** Say.  
*P. elliptica* Lea.  
**ancillaria** Say.  
*P. Sayi* Tappan.  
**Planorbis campanulatus** Say.  
**bicarinatus** Say.  
*Helix angulatus* Rackett.  
*Heliosoma bicarinata* Swains.  
**trivolvus** Say.  
*P. fullax* (var.) Say.  
*regularis* Lea.  
**armigerus** Say.  
**concavus** Anthony.  
**Vertigo Gouldii** Binney.  
*Pupa Gouldii* Binney.

<p><b>Vertigo ovata</b> Say.  <i>Pupa modesta</i> Say.  <b>Pupa contracta</b> Say.  <i>armifera</i> Say.  <b>fallax</b> Say.  <i>Cyclostoma marginata</i> Say.  <i>P. placida</i> Say.  <i>albilabris</i> Ward.  <b>Bullimus lubricus</b> Brug.  <b>Helix albolabris</b> Say.  <i>thyroidus</i> Say.  <i>tridentata</i> Say.  <i>H. fallax</i> (var. ?) Say.  <i>hirsuta</i> Say.  <i>pulchella</i> Müller.  <i>H. minuta</i> Say.  <i>paludosa</i> Montagu.  <i>labyrinthica</i> Say.  <i>alternata</i> Say.</p>	<p><i>H. scabra</i> Lam.  <i>radiata</i> Gmelin.  <b>Helix concava</b> Say.  <i>H. planorboides</i> Ferrussac.  <i>cellaria</i> Müller.  <i>H. glaphyra</i> Say (naturalized).  <i>suppressa</i> Say.  <i>indentata</i> Say.  <i>electrina</i> Gould.  <i>arborea</i> Say.  <i>ohersina</i> Say.  <i>lineata</i> Say.  <b>Succinea obliqua</b> Say.  <i>S. ovalis</i> Say.  <i>campestris</i> Gould.  <i>avara</i> Say.  <i>S. vermeta?</i> Say, Adams.  <b>Limax agrestis</b> Müller.  <i>L. tunicata</i> Gould.</p>
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**Stimpson.**—Shells of New England; a revision of the Synonymy of the Testaceous Mollusks of New England, with Notes on their Structure and their Geographical and Bathymetrical Distribution, with figures of new species: by WILLIAM STIMPSON. Boston, 1851.

ACEPHALA.

BRACHIOPODA.

Terebratulidæ.

<p>Page.          7 <b>Terebratula septentrionalis</b>  <i>Couth.</i>  <i>T. caput-serpentis</i> Gould.</p>	<p>Page.          7 <b>Hypothyris psittacea</b> King.  <i>Terebratula psittacea</i>          Lam.</p>
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LAMELLIBRANCHIATA.

Anomiadæ.

<p>7 <b>Anomia ephippium</b> Linn.          var. <i>aculeata</i>.</p>	<p>var. <i>squamula</i>.          var. <i>electrica</i>.</p>
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Ostreadæ.

<p>8 <b>Ostrea borealis</b> Lam.</p>
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**Pectenidæ.**

Page.		Page.	
8	<b>Pecten Magellanicus</b> Lam.	8	<b>Pecten irradians</b> Lam.
8	<b>Islandicus</b> Müller.		<i>P. concentricus</i> Say.
		8	<b>fuscus</b> Linsley.

**Arcadæ.**

8	<b>Arca transversa</b> Say.	8	<b>Arca pexata</b> Say.
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**Nuculidæ.**

8	<b>Nucula proxima</b> Say.	10	<b>Leda Cascoensis</b> St.
8	<b>tenuis</b> Turton.		<i>Nucula Cascoensis</i> Migh.
	<i>Arca tenuis</i> Mont.		et Adams.
9	<b>delphinodonta</b> Mighels et Adams.	10	<b>myalis</b> St.
			<i>Nucula myalis</i> Conth.
9	<b>Leda thracisæformis</b> Stimp.		<i>Yoldia angularis</i> Müll.
	<i>Nucula thracisæformis</i> Stor.	10	<b>limatula</b> St.
	<i>navicularis</i> Conth.		<i>Nucula limatula</i> Say.
10	<b>obesa</b> St. (pl. ii, fig. 1).	10	<b>tenuisulcata</b> St.
10	<b>sapotilla</b> St.		<i>Nucula tenuisulcata</i> Conth.
	<i>Nucula sapotilla</i> Gould.		<i>minuta</i> Gould.

**Mytilidæ.**

11	<b>Mytilus decussatus</b> Mont.	12	<b>Mytilus levigatus</b> St.
	<i>Modiola glandula</i> Totten.		<i>M. discors</i> O. Fabr.
	<i>Crenella decussata</i> DeKay.		<i>Modiola levigata</i> Gray.
11	<b>pectinulus</b> St.		<i>discrepans</i> Gld.
	<i>Modiola pectinula</i> Gould.	12	<b>discrepans</b> Montagu.
	<i>Mytilus faba</i> O. Fabr.?		<i>Modiola nigra</i> Gray.
12	<b>corrugatus</b> St.		<i>neza</i> Gld. (y'ng.)
	<i>Modiola discors</i> Gould.		<i>Crenella nigra</i> F. et H.
12	<b>discors</b> Linn.	12	<b>plicatulus</b> Desh.
	<i>Modiola discrepans</i> Lam.		<i>Modiola plicatula</i> Lam.
	<i>Crenella discors</i> F. et H.	12	<b>modiolus</b> L.
		12	<b>edulis</b> L.

**Unionidæ.**

13	<b>Unio complanatus</b> Lea.	13	<b>Lamprellis radiata</b> Ag. MS.
	<i>Mya complanata</i> Soland.		<i>Mya radiata</i> Gmel.
13	<b>Eurynea prælonga</b> Ag. MS.		<i>Unio radiata</i> Lam.
	<i>Unio prælongus</i> Barnes.	14	<b>carlosa</b> Ag. MS.
13	<b>nasuta</b> Ag. MS.		<i>Unio cariosus</i> Say.
	<i>Mya nasuta</i> Wood.	14	<b>ochracea</b> Ag. MS.
	<i>Unio nasutus</i> Say.		<i>Unio ochraceus</i> Say.

Page.		Page.	
14	<b>Lampalis ventricosa</b> Ag. MS. <i>Unio ventricosus</i> Barnes.	15	<b>Alasmodonta marginata</b> S.
14	<b>siliquoidea</b> Ag. MS. <i>Unio siliquoideus</i> Barnes.	15	<b>Strophitus undulatus</b> Raf. <i>Anodonta undulata</i> Say.
14	<b>Metaptera alata</b> Ag. MS. <i>Unio alatus</i> Say.	15	<b>sculptilis</b> Ag. MS. <i>Unio undulata</i> Say. <i>Alasm. undulata</i> Barnes. <i>Alasm. sculptilis</i> Say.
14	<b>gracilis</b> Ag. MS. <i>Unio gracilis</i> Barnes.	15	<b>Anodonta Benedictensis</b>
14	<b>Complanaria rugosa</b> Ag. MS. <i>Alasmodonta rugosa</i> Barn.	15	<b>implicata</b> Say. [Lea.
14	<b>alasmodontina</b> Ag. MS. <i>Unio alasmodontinus</i> Barn. <i>compressus</i> Lea.	15	<b>fluvialilis</b> Lea. <i>Mytilus fluvialilis</i> Dill.
15	<b>Margaritana arcuata</b> Phil. <i>Alasm. arcuata</i> Barnes.	15	<b>marginata</b> Say.
		15	<b>Housatonica</b> Linsley.
		15	<b>subcylindracea</b> Lea.

**Cycladidæ.**

16	<b>Cyclas similis</b> Say.	16	<b>Pisidium dubium</b> Gould. <i>Cyclas dubia</i> Say.
16	<b>rhomboidea</b> Say.	16	<b>minus</b> St. <i>Cyclas minor</i> Ad. et Migh.
16	<b>elegans</b> Adams.	16	<b>Adamsii</b> Prime MS. <i>Cyclas nitida</i> Ad. et Migh.
16	<b>partumeia</b> Say.	16	<b>ventricosum</b> Prime.
16	<b>pellucida</b> Prime. <i>C. calyculata</i> Adams.		
16	<b>truncata</b> Linsley.		
16	<b>orbicularia</b> Barratt.		

**Kelliadæ.**

16	<b>Montacuta elevata</b> St. <i>M. bidentata</i> Gould.	17	<b>Kellia planulata</b> St. <i>K. rubra</i> Gould.
16	<b>Turtonia minuta</b> Alder. <i>Venus minuta</i> O. Fabr.		

**Lucinidæ.**

17	<b>Thyasira Gouldii</b> St. <i>Lucina Gouldii</i> Phil. <i>Lucina flexuosa</i> Gould.	17	<b>Lucina strigilla</b> St. <i>L. divaricata</i> Auct.
		17	<b>flosa</b> St. <i>L. radula</i> Gould.

**Astartidæ.**

17	<b>Cardita borealis</b> Conr.		<i>A. undata</i> Mighels.
18	<b>Astarte mactracea</b> Linsley. <i>A. lunulata</i> Conr.?	18	<b>Astarte Portlandica</b> Mighels.
18	<b>sulcata</b> Flem. <i>Pectunculus sulcatus</i> Da C.	18	<b>quadrans</b> Gould.
		18	<b>castanea</b> Say.

**Cyprinidæ.**

Page.  
18 **Cyprina Islandica** Lam.

Page.

**Cardiadæ.**

19 <b>Cardium Islandicum</b> Linn.		<i>Cardium Grœnlandicum</i> Chem.
19 <b>pinnulatum</b> Conr.		<i>edentulum</i> Sow.
19 <b>Mortœni</b> Conr.		<i>Acardo edentulus</i> Swains.
19 <b>Aphrodite Grœnlandica</b> St.		<i>Aphrodite columba</i> Lea.

**Veneridæ.**

19 <b>Venus mercenaria</b> Linn.		19 <b>Cytherea convexa</b> Say.
19 <b>fluctuosa</b> Gould.		19 var. <i>minor</i> .
19 <b>gemma</b> Totten.		<i>C. morrhua</i> Linsley?

**Mactridæ.**

20 <b>Mactra lateralis</b> Say.		20 <b>Mactra solidissima</b> Chemn.
20 <b>ponderosa</b> Phil.		20 <b>similis</b> Say.
<i>M. ovalis</i> Gould.		

**Donacidæ.**

20 <b>Mesodesma arctatum</b> Gould.		20 <b>Mesodesma deauratum</b> Hanl.
<i>Mactra arctata</i> Conr.		<i>Mactra deaurata</i> Turton.
		<i>Mesodesma Jauresii</i> Joan.

**Tellinidæ.**

20 <b>Cumingia tellinoides</b> Conr.		<i>T. sordida</i> Couth.
20 <b>Tellina fusca</b> Phil.		<i>calcareo</i> Lyell.
<i>Sanguinolaria fusca</i> Say.		21 <b>Tellina tenera</b> Say.
<i>T. Grœnlandica</i> Beck?		21 <b>tenta</b> Say.
21 <b>proxima</b> Brown.		21 <b>versicolor</b> Cozzens.
<i>Sanguin. sordida</i> Gould.		21 <b>elucens</b> Mighels.

**Solemyadæ.**

21 <b>Solemya velum</b> Say.		21 <b>Solemya borealis</b> Totten.
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**Solenidæ.**

22 <b>Solecurtus gibbus</b> F. et H.		22 <b>Machœra squama</b> Gould MS.
<i>Solen gibbus</i> Spengler.		<i>Solecurtus squama</i> Blainv.
<i>Caribœus</i> Lam.		<i>M. nitida</i> Gould.
<i>Solecurtus Caribœus</i> Conr.		22 <b>costata</b> Gould.
22 <b>bidens</b> F. et H.		<i>Solen costatus</i> Say.
<i>Solen bidens</i> Chemn.		<i>Nahantensis</i> Desm
<i>fragilis</i> Pult.		<i>Sayi</i> Griffith.
<i>centralis</i> Say.		22 <b>Solen ensis</b> Linn.
<i>Solecurtus fragilis</i> Gould.		

**Anatinidæ.**

Page.		Page.	
22	<i>Anatina papyracea</i> Say.	22	<i>Thracia truncata</i> <i>Mighels.</i>
22	<i>Cochlodesma Leanum</i> <i>Couth.</i>	23	<i>Couthouyi</i> <i>St.</i>
	<i>Anatina Leana</i> <i>Couth.</i>	23	<i>Conradi</i> <i>Couth.</i>

**Pandoridæ.**

23	<i>Lyonsia hyalina</i> <i>Conr.</i>	23	<i>Pandora trilineata</i> <i>Say.</i>
	<i>Osteodesma hyalina</i> <i>Conr.</i>		

**Corbulidæ.**

24	<i>Corbula contracta</i> <i>Say.</i>
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**Myadæ.**

24	<i>Glycymeris siliqua</i> <i>Lam.</i>	<i>P. arctica</i> <i>Desh.</i>	
	<i>Mya siliqua</i> <i>Chemn.</i>	24	<i>Mya truncata</i> <i>Linn.</i>
24	<i>Panopæa Norvegica</i> <i>Lovén.</i>	24	<i>arenaria</i> <i>Linn.</i>
	<i>Mya Norvegica</i> <i>Spengl.</i>		

**Gastrochænidæ.**

24	<i>Petricola pholadiformis</i> <i>Lam.</i>	<i>S. distorta</i> <i>Say.</i>	
	<i>P. fornicata</i> <i>Say.</i>	25	<i>Saxicava rugosa</i> <i>Lam.</i>
24	<i>dactylus</i> <i>Say.</i>		<i>Mytilus rugosus</i> <i>O. Fabr.</i>
25	<i>Saxicava arctica</i> <i>Desh.</i>		<i>S. distorta</i> <i>Say.</i>
	<i>Mya arctica</i> <i>L.</i>		

**Pholadidæ.**

25	<i>Pholas costata</i> <i>Linn.</i>	25	<i>Pholas crispata</i> <i>Linn.</i>
25	<i>truncata</i> <i>Say.</i>	26	<i>Teredo dilatata</i> <i>St.</i>

**GASTEROPODA.**

**PTEROPODA.**

**Hyaleadæ.**

27	<i>Hyalea trispinosa</i> <i>Lesueur.</i>
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**Limacinadæ.**

27	<i>Spiralis Gouldii</i> <i>St.</i> (pl. i, fig. 4).
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**Clionidæ.**

27	<i>Clione borealis</i> <i>Gray</i>	<i>Clio borealis</i> <i>Linn.</i>
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**PROSOBRANCHIATA.**

**Dentaliadæ.**

28	<i>Dentalium striolatam</i> <i>St.</i>	28	<i>Dentalium occidentale</i> <i>St.</i>
	<i>D. entalis</i> <i>Migh.</i>		<i>D. dentale</i> <i>Gould.</i>

**Chitonidæ.**

Page.		Page.	
28	<b>Chiton apiculatus</b> Say. <i>C. pectinatus</i> Gould MS.	29	<b>Chiton marmoreus</b> O. Fabr. <i>C. levigatus</i> Flem.
28	<b>cinereus</b> Linn. <i>C. marginatus</i> Penn.	29	<i>C. fulminatus</i> Couth. <b>mendicarius</b> Migh. et Ad.
28	<b>albus</b> Linn.	29	<b>Amicula vestita</b> Gray. <i>Chiton vestitus</i> Br. et Sow.
29	<b>ruber</b> Linn.		<i>Emersonii</i> Couth.

**Patellidæ.**

29	<b>Pilidium candidum</b> St. <i>Patella candida</i> Couth.		<i>Lottia testudinalis</i> Forbes. <i>Acmaea testudinalis</i> Hanley.
29	<b>Tectura testudinalis</b> Gray. <i>Patella testudinalis</i> Müll. <i>amæna</i> Say.	30	<b>Tectura alveus</b> St. <i>Patella alveus</i> Conr. <i>Lottia alveus</i> Gould.

**Calyptræidæ.**

30	<b>Calyptræa striata</b> Say.	30	<b>Crepidula unguiformis</b> Lam. <i>C. plana</i> Say.
30	<b>Crepidula fornicata</b> Lam. <i>Patella fornicata</i> Linn. <i>C. glauca</i> Say.	30	<b>convexa</b> Say.

**Fissurellidæ.**

30	<b>Diadora Noachina</b> Gray. <i>Patella Noachina</i> Linn. <i>Cemoria Noachina</i> Gould.		<i>Cemoria princeps</i> Migh. et Ad. <i>Puncturella Noachina</i> Lowe.
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**Trochidæ.**

31	<b>Trochus occidentalis</b> Migh. et Adams. <i>Margarita alabastrum</i> Beck MS. <i>T. alabastrum</i> F. et H.		<i>M. arctica</i> Gould. <i>Trochus helycinus</i> F. et H.
31	<b>Margarita cinerea</b> Gould. <i>Turbo cinereus</i> Couth.	32	<b>Margarita coarctata</b> St. <i>Delphinula coarctata</i> Mighels.
31	<b>obscura</b> Gould. <i>Turbo obscurus</i> Couth.	32	? <b>multilineata</b> De Kay.
31	<b>undulata</b> Sowb.	32	? <b>ornata</b> De Kay.
31	<b>argentata</b> Gould.	32	<b>Adeorbis costulata</b> St. <i>Margarita? costulata</i> Möll. —? <i>costulata</i> F. et H.
32	<b>helicina</b> Möll. <i>Turbo helycinus</i> O. Fabr.	32	<b>Phasianella sulcosa</b> Migh.

**Ianthinidæ.**

32	<b>Ianthina fragilis</b> Brug.
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**Paludinidæ.**

Page.		Page.	
32	<b>Melania depygis</b> Say.	33	<b>Valvata tricarinata</b> Say.
33	<b>Paludina decisa</b> Say.	33	<b>sincera</b> Say.
33	<b>Amnicola porata</b> Gould.	33	<b>pupoidea</b> Gould.
33	<b>pallida</b> Hald.		

**Littorinidæ.**

33	<b>Littorina rudis</b> Gould.	33	<b>Rissoa modesta</b> St.
	<i>Nerita littorea</i> O. Fabr.		<i>Cingula modesta</i> H. C. Lea.
	<i>Turbo rudis</i> Don.		<i>lævis</i> De Kay?
	<i>tenebrosus</i> Mont.	34	<b>latior</b> St.
	<i>obligatus</i> Say.		<i>Cing. latior</i> Migh. et. Ad.
	<i>vestitus</i> Say.	34	<b>eburnea</b> St. (pl. i, fig. 1).
	<i>L. Grönlandica</i> Müll.	34	<b>aculeus</b> St.
	<i>tenebrosa</i> Forbes.		<i>Cingula aculeus</i> Gould.
33	<b>Littoralis</b> F. et H.		<i>Paludinella aculeus</i>
	<i>Nerita littoralis</i> L.		Middendorff?
	<i>Turbo palliatus</i> Say.	34	<b>multilineata</b> St. (pl. i, f. 2).
	<i>L. palliata</i> Gould.	34	<b>Mighelsii</b> St.
	<i>neritoides</i> De Kay.		<i>Cingula arenaria</i> M. et Ad.
33	<b>irrorata</b> Gray.	34	<b>exarata</b> St. (pl. i, fig. 3).
	<i>Turbo irroratus</i> Say.	34	<b>pelagica</b> St.
	<i>Phasianella sulcata</i> Lam.		<i>Cingula semicostata</i> Migh.
33	<b>Lacuna vincta</b> Turton.		et Ad.
	<i>Turbo divaricatus</i> O. Fabr.	35	<b>Skenea planorbis</b> F. et H.
	<i>vinctus</i> Mont.		<i>Turbo planorbis</i> O. Fabr.
33	<b>neritoidea</b> Gould.		<i>S. serpuloides</i> Gould.
33	<b>Rissoa minuta</b> St.		
	<i>Turbo minutus</i> Tott.		
	<i>Cingula minuta</i> Gould.		

**Turritellidæ.**

35	<b>Turritella costulata</b> M. et Ad.	35	<b>Turritella acicula</b> St.
35	<b>areolata</b> St.		(pl. i, fig. 5).
35	<b>erosa</b> Couth.	36	<b>Cœcum pulchellum</b> St.
			(pl. ii, fig. 3).

**Cerithiadæ.**

37	<b>Aporrhais occidentalis</b> Beck.	37	<b>Cerithium Sayi</b> Menke.
	<i>Rostellaria occidentalis</i>	37	<b>Greenii</b> Adams.
	Gould.	37	<b>nigrocinctum</b> Adams.

**Vermetidæ.**

37	<b>Vermetus radricula</b> St.	<i>V. bicarinatus</i> Desh.?
	<i>V. lumbricalis</i> Gould.	<i>Knorræi</i> Desh.?

**Scalariadæ.**

Page.		Page.	
39	<b>Scalaria Novangliæ</b> Couth.	39	<b>Scalaria multistriata</b> Say.
39	<b>Grönlandica</b> Gould.	39	<b>Eulima oleacea</b> Kurtz et St. (pl. i, fig. 6).
39	<b>lineata</b> Say.		

**Pyramidellidæ.**

40	<b>Menestho albula</b> Möll. <i>Turbo albulus</i> O. Fabr. <i>Pyramis striatula</i> Couth.	42	<b>Chemnitzia bisuturalis</b> St. <i>Turritella bisuturalis</i> Say. <i>Jaminia exigua</i> Couth. <i>Odotomia exigua</i> Gould.
40	<b>Chemnitzia nivea</b> St.		
41	<b>interrupta</b> St. <i>Turritella interrupta</i> Tott.	42	<b>trifida</b> St. <i>Actæon trifidus</i> Tott. <i>Odotomia trifida</i> Gould.
41	<b>producta</b> St. <i>Jaminia producta</i> Adams. <i>Odotomia producta</i> Gould.	42	<b>impressa</b> Kurtz MS. <i>Turritella impressa</i> Say. <i>Odotomia insculpta</i> De K.
41	<b>fusca</b> St. <i>Pyramis fusca</i> Adams. <i>Odotomia fusca</i> Gould.	42	<b>seminuda</b> St. <i>Jaminia seminuda</i> Adams. <i>Odotomia seminuda</i> Gld.
41	<b>dealbata</b> St.		
41	<b>modesta</b> St.		

**Naticidæ.**

42	<b>Natica flava</b> Gould.	42	<b>Natica Gouldii</b> Phil.
42	<b>hellicoides</b> Johnston. <i>N. canaliculata</i> Gould. <i>cornea</i> Phil. <i>Gouldii</i> Adams.	43	<b>Grønlandica</b> Beck. <i>N. pusilla</i> Gould.
42	<b>heros</b> Say.	43	<b>immaculata</b> Totten.
42	<b>triseriata</b> Say.	43	<b>duplicata</b> Say.
		43	<b>pusilla</b> Say.
		43	<b>clausa</b> Brod. et Sow.

**Velutinidæ.**

44	<b>Velutina halliotoides</b> Möll. <i>Helix halliotoides</i> O. Fabr. <i>V. lævigata</i> Flem.	44	<b>Lamellaria perspicua</b> Lovèn. <i>Helix perspicua</i> Linn. <i>Sigaretus halliotoideus</i> Flem.
44	<b>zonata</b> Gould.		

**Cancellariadæ.**

44	<b>Admete viridula</b> St. <i>Tritonium viridulum</i> O. Fabr. <i>Murex costellifer</i> Sow. <i>Cancellaria buccinoides</i> Cou. <i>Couthouyi</i> Jay. <i>Admete crispa</i> Müll. <i>Cancellaria viridula</i> Lovèn.	45	<b>Trichotropis borealis</b> <i>Brod. et Sow.</i>
		45	<b>Cerithiopsis terebellum</b> St. <i>Cerithium terebrale</i> Ad. <i>terebellum</i> Ad.
		45	<b>Emersonii</b> St. <i>Cerithium Emersonii</i> Ad.

**Muricidæ.**

Page.		Page.	
45	<b>Ranella caudata</b> Say.	47	<b>Tritonium clathratum</b> Müll.
45	<b>Purpura lapillus</b> Lam. <i>Buccinum lapillus</i> Linn.		<i>Murex clathratus</i> Linn.
45	<b>Nassa trivittata</b> Say. <i>Buccinum trivittatum</i> Ad.		<i>Bamffius</i> Don.
45	<b>vibex</b> Say. <i>Buccinum vibex</i> Ad.		<i>Fusus Bamffius</i> Flem.
45	<b>obsoleta</b> Say. <i>Buccinum obsoletum</i> Ad.		<i>Trophon clathratum</i> F. et H.
45	<b>Buccinum undatum</b> Linn.	47	<b>scalariforme</b> St. <i>Fusus scalariformis</i> Gould.
46	<b>plicosum</b> Menke. <i>Fusus cinereus</i> Say.		<i>T. clathratum</i> var. Lovèn.
46	<b>Tritonium ventricosum</b> St. <i>Fusus ventricosus</i> Gray.	47	<b>Fasciolaria ligata</b> Migh. et Ad.
46	<b>Islandicum</b> Lovèn. <i>Murex Islandicus</i> Chemn. <i>Fusus Islandicus</i> Gould.	47	<b>Pyrula canaliculata</b> Brug. <i>Murex canaliculata</i> Linn.
46	<b>pygmæum</b> St. <i>Fusus Islandicus</i> var. <i>pyg-</i> <i>mæus</i> Gould. <i>Fusus pygmæus</i> Migh.	47	<b>carica</b> Brug. <i>Murex carica</i> Gmel. <i>P. auruana</i> Reeve.
46	<b>decemcostatum</b> <i>Middendorff.</i> <i>Fusus decemcostatus</i> Say.	47	<b>Columbella rosacea</b> St. <i>Buccinum rosaceum</i> Gld.
		47	<b>dissimilis</b> St. <i>Buccinum zonale</i> Linsley?
		48	<b>lunata</b> Sow. <i>Nassa lunata</i> Say. <i>Buccinum lunata</i> Ad.
		48	<b>Fusus Trumbulli</b> Linsley?
		48	<b>Buccinum Veatleyi</b> De Kay?
		48	<b>Columbella Gouldiana</b> Ag.
		48	<b>avara</b> Say. [MS.]

**Conidæ.**

48	<b>Mangella turricula</b> F. et H. <i>Murex turricula</i> Mont. <i>Fusus turricula</i> Brown.	49	<b>Mangella cancellata</b> St. <i>Fusus cancellatus</i> M. et A.
48	<b>harpularia</b> St. <i>Fusus harpularius</i> Couth.	49	<b>decussata</b> St. <i>Pleurotoma decussata</i> Cou.
49	<b>pyramidalis</b> St. <i>Buccinum pyramidale</i> Ström. <i>Tritonium pyramidale</i> Lovèn. <i>Fusus rufus</i> Gould.	49	<b>violacea</b> St. <i>Pleurotoma violacea</i> Migh. et Ad.
		49	<b>bicarinata</b> St. <i>Pleurotoma bicarinata</i> Cou.
		49	<b>Pleurotoma cerinum</b> Kurtz et St. (pl. ii, fig. 2).
		49	<b>plicatum</b> Adams.



## TECTIBRANCHIATA.

## Bullidæ.

Page.		Page.	
50	<b>Bulla hiemalis</b> <i>Couth.</i>	50	<b>Bulla solitaria</b> <i>Say.</i>
50	<b>oryza</b> <i>Totten.</i>		<i>B. insculpta</i> <i>Tott.</i>
50	<b>triticea</b> <i>Couth.</i>	50	<b>puncto-striata</b> <i>M. et Ad.</i>
	<i>B. corticata</i> <i>Möll.</i>	51	<b>Philine lineolata</b> <i>St.</i>
50	<b>canaliculata</b> <i>Say.</i>		<i>Bulla lineolata</i> <i>Couth.</i>
	<i>B. obstricta</i> <i>Gould.</i>	51	<b>sinuata</b> <i>St.</i> (pl. i, fig. 7).
50	<b>pertenuis</b> <i>Mighels.</i>	51	<b>formosa</b> <i>St.</i>
50	<b>incincta</b> <i>Mighels.</i>		<i>P. quadrata</i> <i>F. et H.?</i>
50	<b>debilis</b> <i>Gould.</i>		<i>scutulum</i> <i>Lovèn.?</i>
50	<b>Gouldii</b> <i>Couth.</i>		

## Tornatellidæ.

51	<b>Actæon puncto-striata</b> <i>St.</i>		<i>Tornatella puncto-striata</i> <i>Ad.</i>
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## Melampidæ.

51	<b>Melampus corneus</b> <i>St.</i>		<i>Voluta denticulata</i> <i>Mont.</i>
	<i>M. bidentatus</i> <i>Say.</i>		<i>Auricula denticulata</i> <i>Gld.</i>
	<i>Auricula cornea</i> <i>Desh.</i>	52	<b>Carychium exiguum</b> <i>Gould.</i>
	<i>bidentata</i> <i>Gould.</i>		<i>Pupa exigua</i> <i>Say.</i>
52	<b>denticulatus</b> <i>Auct.</i>		<i>Bulimus exiguus</i> <i>Binney.</i>

## PNEUMOBANCHIATA.

## Limnæadæ.

52	<b>Ancylus parallelus</b> <i>Hald.</i>	52	<b>Limnæa elodes</b> <i>Say.</i>
	<i>A. rivularis</i> <i>Gould.</i>	52	<b>gracilis</b> <i>Jay.</i>
52	<b>fuscus</b> <i>Adams.</i>	53	<b>Physa heterostropha</b> <i>Say.</i>
52	<b>tardus</b> <i>Say.</i>	53	<b>fragilis</b> <i>Migh. et Ad.</i>
52	<b>Limnæa appressa</b> <i>Say.</i>	53	<b>ancillaria</b> <i>Say.</i>
52	<b>decollata</b> <i>Migh. et Ad.</i>	53	<b>gyrina</b> <i>Say.</i>
52	<b>catascopium</b> <i>Say.</i>	53	<b>elongata</b> <i>Say.</i>
	<i>L. pinguis</i> <i>Say.</i>	53	<b>Planorbis trivolvis</b> <i>Say.</i>
	<i>emarginata</i> <i>Say.</i>	53	<b>lentus</b> <i>Say.</i>
52	<b>ampia</b> <i>Migh.</i>	53	<b>bicarinatus</b> <i>Say.</i>
52	<b>megasoma</b> <i>Say.</i>	53	<b>campanulatus</b> <i>Say.</i>
52	<b>columella</b> <i>Say.</i>	53	<b>armigerus</b> <i>Say.</i>
	<i>L. macrostoma</i> <i>Say.</i>	53	<b>hirsutus</b> <i>Gould.</i>
52	<b>caperata</b> <i>Say.</i>	53	<b>deflectus</b> <i>Say.</i>
	<i>L. umbilicata</i> <i>Adams.</i>	53	<b>exacutus</b> <i>Say.</i>
52	<b>humilis</b> <i>Say.</i>	53	<b>parvus</b> <i>Say.</i>
	<i>L. modicellus</i> <i>Say.</i>		<i>P. elevatus</i> <i>Adams.</i>
52	<b>pallida</b> <i>Adams.</i>	53	<b>dilatatus</b> <i>Gould.</i>
52	<b>desidiosa</b> <i>Say.</i>		<i>P. lens</i> <i>Lea.</i>

**Vertiginidæ.**

Page.		Page.	
53	<b>Vertigo milium</b> Gould. <i>Pupa milium</i> Gould.	53	<b>Vertigo ovata</b> Say. <i>Pupa ovata</i> Sager. <i>modesta</i> Say.
53	<b>Gouldii</b> Gould. <i>Pupa Gouldii</i> Binney.	53	<b>simplex</b> St. <i>Pupa simplex</i> Gould.

**Pupadæ.**

53	<b>Pupa pentodon</b> Binney. <i>Vertigo pentodon</i> Say. <i>P. curvidens</i> Gould.	54	<b>Pupa contracta</b> Say. <b>badia</b> Adams. <b>armifera</b> Say.
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**Helicidæ.**

54	<b>Bullmus harpa</b> Pfeiff. <i>Helix harpa</i> Say. <i>Pupa costulata</i> Migh.	55	<b>Helix striatella</b> Anthony. <b>exigua</b> St. <i>H. annulata</i> Case?
54	<b>fallax</b> Gould. <i>Pupa fallax</i> Say.	55	<b>minuscula</b> Binney. <b>fuliginosa</b> Griffith. <b>cellaria</b> Müll. <b>inornata</b> Say. <b>arborea</b> Say. <b>electrina</b> Gould. <b>indentata</b> Say. <b>chersona</b> Say. <b>suppressa</b> Say. <b>multidentata</b> Binney. <b>lineata</b> Say.
54	<b>lubricoides</b> St. <i>B. lubricus</i> Gould.	55	<b>Succinea obliqua</b> Say. <i>S. campestris</i> Gould. <i>ovalis</i> Say.
54	<b>Helix albolabris</b> Say.	55	<b>avara</b> Say. <b>ovalis</b> Gould.
54	<b>nemorialis</b> Linn. <i>H. hortensis</i> Müll. <i>subglobosa</i> Binney.	55	<b>Vitrina pellucida</b> Drap. <i>Helix pellucida</i> Müll. <i>Vitrina limpida</i> Gould.
54	<b>thyroidus</b> Say.		
54	<b>dentifera</b> Binney.		
54	<b>tridentata</b> Say.		
54	<b>palliata</b> Say.		
54	<b>monodon</b> Rackett.		
54	<b>hirsuta</b> Say.		
54	<b>concaua</b> Say.		
54	<b>minuta</b> Say. <i>H. pulchella</i> Gould.		
54	<b>Sayii</b> Binney.		
54	<b>labyrinthica</b> Say.		
55	<b>alternata</b> Say.		

**Limacidæ.**

56	<b>Limax campestris</b> Binney.	56	<b>Tebennophorus dorsalis</b> <i>Binney.</i>
56	<b>agrestis</b> Müll. <i>L. tunicata</i> Gould.		<i>Phylomycus dorsalis</i> Binn.
56	<b>variegatus</b> Drap.	56	<b>Caroliniensis</b> Binney. <i>Limax Caroliniensis</i> Bosc. <i>togata</i> Gould.
56	<b>Arion hortensis</b> Fér.		

## CEPHALOPODA.

## DECAPODA.

## Spirulidæ.

Page.	Page.
57	<i>Spirula Peronii Lam.</i>

## Loliginidæ.

57	<i>Loligo illecebrosa Lesueur.</i>		57	<i>Loligo pavo Lesueur.</i>
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## ERRATA.

58	<i>Pecten fuscus</i> Linsley (preoc.) = <i>Pecten brunneus St.</i>
58	<i>Leda obesa St.</i>

**Prime.**—Descriptions of two new Species of Fresh-water Shells: by TEMPLE PRIME. (From Annals of N. Y. Lyceum of Natural History, vol. v. February, 1852.)

Page.	Plate.	Name.	Locality.
218	vi	<i>Cyclas securis Prime.</i>	Massachusetts.
219	vi	<i>Pisidium compressum Prime.</i>	Massachusetts.

**Jay.**—A Catalogue of the Shells, arranged according to the Lamarckian System, &c., contained in the Collection of JOHN C. JAY, M. D. Fourth edition, with Supplement. New York, 1852. [No descriptions.]

## CLASS TROPIPODA.

## ORDER BIMUSCULOSA.

## Family Tubicola.

Page.	Name.	Locality.
9	<i>Teredo navalis Linn.</i>	Atlantic ocean.

## Family Pholadaria.

9	<i>Pholas Californica Conrad.</i>	Upper California.
	<i>P. Janellii Desh.</i>	
10	<i>costata Linn.</i>	South Carolina.
10	var.	N. Y., Gulf of Mexico.
10	<i>crispata Linn. (var.)</i>	Sandy Hook.
10	<i>penita Conrad.</i>	California.
	<i>P. concamerata Desh.</i>	
10	<i>truncata Say.</i>	New York.

Family **Solenacea.**

Page.	Name.	Locality.
11	<b>Solen ensis</b> Linn.	N. Y., Rhode Island.
11	<b>siliqua</b> Linn.	New York.
11	<b>vagina</b> Linn.	New York.
11	<b>viridis</b> Say.	Rhode Island.
12	<b>Solecortus Californianus</b> Conrad. ( <i>Cultellus</i> Conrad.)	Upper California.
12	<b>Caribæus</b> Lam. <i>S. Guineensis</i> ? Chem.	N. Y., Rhode Island.
12	<b>coarctatus</b> Gmelin (var.) <i>S. centralis</i> Say. <i>antiquatus</i> Lam.	Rhode Island.
12	<b>subteres</b> Conrad. <i>Cultellus subteres</i> Conrad.	Upper California.
12	<b>Machæra costata</b> Say.	New York.
12	<b>lucida</b> Conrad.	Upper California.
12	<b>maxima</b> Wood. <i>Solecortus Nuttallii</i> Conrad.	Oregon.
12	<b>media</b> Gray. <i>M. nitida</i> Gould.	B'ks of Newfoundland.
12	<b>Panopæa Norvegica</b> Speng. <i>P. arctica</i> Gould.	B'ks of Newfoundland.
13	<b>Glycimeris siliqua</b> Lam. <i>Mya siliqua</i> . <i>picea</i> .	Newfoundland.
13	<b>Solemya borealis</b> Totten.	Rhode Island.
13	<b>velum</b> Say.	New York.

Family **Myaria.**

13	<b>Mya arenaria</b> Linn. (var.) <i>Mya acuta</i> Say.	N. England, N. Y., N. J.
13	<b>cancellata</b> Conrad.	Upper California.
14	<b>truncata</b> Lam. <i>M. ovalis</i> Turt. (young.)	Newfoundland.
14	<b>Corbula contracta</b> Say.	Rhode Island.
15	<b>Pandora trilineata</b> Say. <i>P. nasuta</i> Sowb.	New York, N. J.

Family **Osteodesmata.**

16	<b>Osteodesma hyalina</b> Conrad.	New York.
16	<b>Cochlodesma Leana</b> Conrad. <i>Anatina Leana</i> Conrad.	New York.
16	<b>Periploma angulifera</b> Phil.	Galveston.
16	<b>argentaria</b> Conrad.	California.

Page.	Name.	Locality.
17	<b>Anatina papyracea</b> Say.	United States.
17	<b>Thracia Conradi</b> Couth. <i>T. declivis</i> Conrad.	Coasts of N. England.
17	<b>myopsis</b> Beck.	Greenland.
17	<b>truncata</b> Mighels.	Casco Bay.

#### Family Mactracea.

18	<b>Lutraria canaliculata</b> Say.	South Carolina.
18	<b>lineata</b> Say. <i>L. papyracea</i> ? Lam.	Georgia.
19	<b>Mactra lateralis</b> Say.	New York.
	<i>Mulinia lateralis</i> Gray.	
19	<b>ovallis</b> Gould. <i>M. grandis</i> Desh.	Massachusetts.
19	var. <i>M. similis</i> Gray.	Rhode Island.
19	<b>similis</b> Say.	South Carolina.
19	<b>solidissima</b> Chemn. <i>M. gigantea</i> Lam.	New York.
19	<b>Gnathodon cuneatus</b> Gray. <i>Rangia Cyrenoides</i> Conrad.	Alabama.
20	<b>Mesodesma arcata</b> Conrad.	Rhode Island.
21	<b>Kellia rubra</b> Turton. <i>Cardium rubrum</i> Mont. <i>Amphidesma nucleolum</i> Lam.	Stonington, Ct.
21	<b>Amphidesma æquale</b> Say.	South Carolina.
22	<b>decisum</b> Conrad. <i>A. roseum</i> ? Sowerby.	Upper California.
22	<b>Cumingia Californica</b> Conrad.	Santa Barbara.
22	<b>tellinoides</b> Conrad. <i>Mactra tellinoides</i> Conrad.	Maine.

#### Family Lithophaga.

22	<b>Saxicava Californica</b> Conrad. <i>S. pholadis</i> Lam.	California.
22	<b>pholadis</b> Lam. (var.) <i>Bissomya pholadis</i> De Blain. <i>S. distorta</i> Say.	New York.
23	<b>Sphænia Californica</b> Conrad.	California.
23	<b>Petricola cylindræa</b> Desh.	California.
23	<b>dactylus</b> Sowerby.	New Jersey.
23	<b>pholadiformis</b> Lam. <i>P. fornicata</i> Say.	New York.
23	<b>Venerupis gigantea</b> Desh. <i>Saxidomus Nuttallii</i> Conrad.	California.
23	<b>Pettii</b> Desh.	California.

## Family Nymphæacea.

Page.	Name.	Locality.
23	<b>Sanguinolaria Nuttalli</b> Conrad.	California.
24	<b>Psammobia Pacifica</b> Conrad.	Columbia river.
25	<b>Tellina alta</b> Conrad.	California.
25	<i>alternata</i> Say.	Florida.
25	<i>Burneti</i> Brod.	Mazatlan.
	<i>Lucina cristata</i> Reclus.	
25	<i>caloarea</i> Chemn.	Greenland.
	<i>T. sordida</i> Phil.	
25	<b>Cayennensis</b> Lam.	Mexico.
	<i>T. constricta</i> Phil.	
	<i>Psammobia Cayennensis</i> Lam.	
	<i>T. intastriata</i> Say.	
25	<i>decora</i> Say.	East coast of Florida.
26	<i>dispar</i> Conrad.	California, Wahoo.
26	<b>Fabricii</b> Hanley.	Greenland.
	<i>T. fragilis</i> Fab.	
26	<i>fusca</i> Say.	New York.
	<i>Psammobia fusca</i> Say.	
	<i>Sanguinolaria fusca</i> Conrad.	
26	<i>inconspicua</i> Br. & Sowb.	Arctic Ocean.
26	<i>iris</i> Say.	New York.
27	<i>lateralis</i> Say.	Florida.
27	<i>nasuta</i> Conrad.	Columbia river.
28	<i>polita</i> Say.	South Carolina.
28	<i>proxima</i> Brown.	Massachusetts.
	<i>T. sordida</i> Couth.	
28	<i>rugosa</i> Born.	New California.
28	<i>secta</i> Conrad.	Upper California.
	<i>T. ligamentina</i> Desh.	
29	<i>tenera</i> Say.	New Bedford.
30	<b>Lucina Californica</b> Conrad.	San Diego.
30	<i>contracta</i> Say.	Rhode Island.
30	<i>corrugata</i> Desh.	California.
30	<i>Floridana</i> Conrad.	Tampa bay.
30	<i>Nuttalli</i> Conrad.	Upper California.
31	<b>Donax californica</b> Conrad.	Sta. Barbara.
31	<i>fossor</i> Say.	New York.
31	<i>variabilis</i> Say.	Georgia.

## Family Conchæacea.

32	<b>Cyclas dubia</b> Say.	Ohio.
32	<i>elegans</i> Adams.	Vermont.
32	<i>minor</i> Adams.	Vermont.

Page.	Name.	Locality.
32	<b>Cyclas partumeia</b> Say.	Ohio.
32	<b>rhomboidea</b> Say.	Vermont.
32	<b>similis</b> Say.	Ohio.
	<i>C. sulcata</i> Lam.	
32	<b>staminea</b> Conrad.	Missouri.
33	<b>Cyrena Caroliniensis</b> Lam.	South Carolina.
	<i>Cyclas Caroliniensis</i> Bosc.	
33	<b>sordida</b> Hanley.	North America.
34	<b>Cyprina Islandica</b> Lam.	B'ks of Newfoundland.
	<i>Venus bucardium</i> Born.	Rhode Island.
	<i>mercenaria</i> Pennant.	
34	<b>Astarte Banksii</b> Gray.	Greenland.
34	<b>bilunulata</b> Conrad.	Tampa bay.
34	<b>castanea</b> Say.	N. Y., Provincetown.
	<i>A. picea</i> var.	
	<i>procera</i> Totten.	
34	<b>Danmoniensis</b> Sowerby.	Maine.
35	<b>difficilis.</b>	Greenland.
35	<b>laevis.</b>	Greenland.
35	<b>laotea</b> Brod.	Grand Bank.
35	<b>quadrans</b> Gould.	Maine.
35	<b>semisulcata</b> Gray.	Greenland.
35	<b>striata</b> Leach.	Greenland.
	<i>Nicania striata</i> Leach.	
35	<b>undata</b> Gould.	Maine.
	<i>A. latisulca</i> Hanley.	
35	<b>Cytherea convexa</b> Say.	New York.
36	<b>Crassatelloides</b> Conrad.	California.
	( <i>Trigonella</i> Conrad.)	
36	var.	San Diego, Sta. Barbara.
36	<b>Dione</b> Linn. (var.)	California.
36	<b>gigantea</b> Lam.	Florida.
37	<b>planulata</b> Sowerby.	Mazatlan.
37	<b>rosea</b> Br.	San Blas.
37	<b>squalida</b> Sowerby.	California.
	<i>C. elegans</i> Koch.	
	<i>biradiata</i> Sowerby.	
38	<b>Artemis gigantea</b> Sowerby.	California.
38	<b>Venus Californiensis</b> Brod.	California.
38	<b>cancellata</b> Lam. (var.)	South Carolina.
	<i>V. elevata</i> Say.	
	<i>Cingenda</i> Dillwyn.	
39	<b>fluctuosa</b> Gould.	B'ks of Newfoundland.
40	<b>gemma</b> Totten.	New York.
40	<b>gnidia</b> Br.	San Blas.

Page.	Name.	Locality.
40	<b>Venus grata</b> Say. <i>V. discors</i> Sowerby.	West coast of Mexico.
40	<b>mercenaria</b> Linn.	N. Y., N. J., Mass.
40	<b>Mortoni</b> Conrad.	Florida.
41	<b>notata</b> Say.	New York.
41	<b>Nuttalli</b> Conrad.	California.
42	<b>tricolor</b> Brod.	California.
42	<b>undatella</b> Sowerby.	California.

## Family Cardiaceæ.

44	<b>Cardium elatum</b> Sowerby.	California.
44	var.	Gulf of California.
44	<b>Grœnlandicum</b> Chemn. <i>C. edentulum</i> Sowerby.	Greenland.
	var. <i>Maetra radiata</i> Donovan.	North Atlantic.
	var. <i>Aphrodite columba</i> Lea.	B'ks of Newfoundland.
44	<b>Icelandicum</b> Chemn. (var.) <i>C. pubescens</i> Couth. <i>arcticum</i> Sowerby.	Massachusetts bay.
45	<b>magnum</b> Born. <i>C. maculatum</i> Gœmlin. var. <i>C. ventricosum</i> Brug.	Gulf of Mexico. South Carolina.
45	<b>Mortoni</b> Conrad.	New York.
45	<b>Nuttalli</b> Conrad.	Upper California.
45	<b>pinnulatum</b> Conrad.	Rhode Island.
46	<b>quadragenarium</b> Conrad.	Upper California.
46	<b>substriatum</b> Conrad.	California.
47	<b>Cardita borealis</b> Conrad. <i>Venericardia borealis</i> Conrad.	Rhode Island.
47	<b>Floridana</b> Conrad.	Tampa Bay.

## Family Arcaceæ.

49	<b>Arca Americana</b> Gray.	Mobile.
49	<b>formosa</b> Sowerby.	Mexico.
50	<b>incongrua</b> Say.	South Carolina.
50	<b>pexata</b> Say.	New York.
50	<b>ponderosa</b> Say. <i>A. hemicardium</i> Koch.	Coast of United States.
51	<b>transversa</b> Say.	New York.
51	<b>trapezia</b> Desh. <i>A. tobata</i> Reeve.	Mexico.
52	<b>Nucula antiqua</b> Mighels (fossil).	Maine.
52	<b>buccata</b> Stp. <i>N. rostrata</i> ? Lam.	Greenland.



Page.	Name.	Locality.
53	<b>Nucula Cascoensis</b> <i>Mighels.</i>	Casco bay.
53	<b>delphinodonta</b> <i>Mighels.</i>	Casco bay.
53	<b>lenticula</b> <i>Möll.</i>	Greenland.
53	<b>limatula</b> <i>Say.</i>	Rhode Island.
53	<b>macilenta</b> <i>Stp.</i>	Greenland.
53	<b>minuta</b> <i>Gmelin.</i>	Massachusetts.
	<i>N. tenuisulcata</i> <i>Couth.</i>	
53	var.	Greenland.
53	<b>myalis</b> <i>Couth.</i>	Massachusetts bay.
53	<b>navicularis</b> <i>Couth.</i>	Maine.
53	<b>Portlandica</b> <i>Hitch. (fossil).</i>	Maine.
53	<b>proxima</b> <i>Say.</i>	Massachusetts bay.
53	<b>sapotilla</b> <i>Gould.</i>	Cape Cod.
53	<b>tenuis</b> <i>Turton, Gray.</i>	Maine, Greenland.
	<i>N. lucida</i> <i>Blanding.</i>	
53	<b>Thracisiformis</b> <i>Storer.</i>	Cape Cod.

## Family Naiades.

54	<b>Unio acutissimus</b> <i>Lea.</i>	Alabama river.
54	<b>alatus</b> <i>Say.</i>	Fox river.
	<i>Symphynota alata</i> <i>Lea.</i>	Detroit riv., N. West'n
	var. <i>U. megaptera</i> <i>Raf.</i>	Territory, Ohio.
54	<b>atilis</b> <i>Conrad.</i>	Alabama river.
54	<b>angustatus</b> <i>Lea.</i>	Congaree river.
54	<b>apiculatus</b> <i>Say.</i>	New Orleans.
	var. <i>U. asper</i> <i>Lea.</i>	Alabama river.
55	<b>arctior</b> <i>Lea.</i>	Ohio river.
	<i>U. dilatatus?</i> <i>Raf.</i>	
55	<b>atrocostatus</b> <i>Lea.</i>	Alabama.
55	<b>biangulatus</b> <i>Lea.</i>	Tennessee.
55	<b>Blandingianus</b> <i>Lea.</i>	Florida.
55	<b>Boydianus</b> <i>Lea.</i>	New York.
55	<b>bullatus</b> <i>Raf.</i>	Ohio.
	<i>U. pustulosus</i> <i>Lea.</i>	
	var. <i>U. Dorfeuillanus</i> <i>Lea.</i>	
	<i>Schoolcraftensis</i> <i>Lea.</i>	
	<i>prasinus</i> <i>Conrad.</i>	
55	<b>cœlatus</b> <i>Conrad.</i>	Tennessee.
55	<b>callosus</b> <i>Lea.</i>	Ohio canal.
55	<b>camptodon</b> <i>Say.</i>	New Orleans.
55	<b>capax</b> <i>Green.</i>	Louisiana.
	<i>U. globosus</i> <i>Lea.</i>	
55	<b>Capæiformis</b> <i>Lea.</i>	Cumberland river.

Page.	Name.	Locality.
56	<b>Unio carbonarius</b> <i>Lea.</i>	Medellin river.
	<i>U. pliciferus</i> <i>Lea.</i>	
	var. <i>U. plexus</i> <i>Conrad.</i>	Mexico.
	<i>semigranosa</i> <i>Busch.</i>	
56	<b>cardium</b> <i>Raf.</i>	Ohio river.
	<i>U. occidentis</i> <i>Lea.</i>	
	var. <i>U. ventricosus</i> <i>Barnes, Say.</i>	
	<i>subovatus</i> <i>Lea.</i>	
56	<b>cariosus</b> <i>Say.</i>	Passaic river.
	<i>U. ovata</i> <i>Valenc.</i>	
	var. <i>U. luteolus</i> <i>Lam.</i>	Hudson river & Conn.
56	<b>castaneus</b> <i>Lea.</i>	Alabama river.
56	<b>cerinus</b> <i>Conrad.</i>	Louisiana.
56	<b>cicatricosus</b> <i>Say.</i>	Ohio river.
	<i>U. varicosus</i> <i>Lea.</i>	
56	<b>Claibornensis</b> <i>Lea.</i>	Alabama.
56	<b>clavus</b> <i>Lam.</i>	Wabash river.
	<i>U. Modioliformis</i> <i>Say.</i>	
	var. <i>U. scalenius</i> <i>Raf.</i>	Ohio river.
	<i>cuneatus</i> <i>Raf.</i>	
	<i>patulus</i> <i>Lea.</i>	
56	<b>coccineus</b> <i>Lea.</i>	Mahoning river.
	<i>U. rubra?</i> <i>Raf.</i>	
	var. <i>U. catillus</i> <i>Conrad.</i>	Ohio river.
	<i>Gouldianus?</i> <i>Ward.</i>	
56	<b>collinus</b> <i>Conrad.</i>	N. river, Va.
56	<b>complanatus</b> <i>Soland.</i>	Maryland.
	<i>Mya complanata</i> <i>Soland.</i>	
	var. <i>U. violaceus</i> <i>Spengler.</i>	New Jersey.
	<i>purpureus</i> <i>Say.</i>	Yadkin river.
	<i>rarisulcata</i> <i>Lam.</i>	Lake Champlain.
	<i>curvata</i> <i>Lam.</i>	Virginia.
	<i>purpurascens</i> <i>Lam.</i>	New York.
	<i>rhombula</i> <i>Lam.</i>	Hudson river.
	<i>carinifera</i> <i>Lam.</i>	Connecticut.
	<i>Georgina</i> <i>Lam.</i>	Lake George.
	<i>glabrata</i> <i>Lam.</i>	Massachusetts.
	<i>sulcidens</i> <i>Lam.</i>	Connecticut.
	<i>fluvialilis</i> <i>Green.</i>	Pennsylvania.
	<i>Mya rigida</i> <i>Wood.</i>	Rhode Island.
57	<b>compressus</b> <i>Lea.</i>	New York.
	<i>Symphynota compressa</i> <i>Lea.</i>	
57	<b>confertus</b> <i>Lea.</i>	Santee canal, S. C.
57	<b>Congareus</b> <i>Lea.</i>	Congaree river.

Page.	Name.	Locality.
57	<b>Unio Conradius</b> <i>Lea.</i>	Tennessee.
	var.	Flint river.
57	<b>constrictus</b> <i>Conrad.</i>	Virginia.
57	<b>Cooperianus</b> <i>Lea.</i>	Ohio river.
	<i>U. striatus</i> Raf., Anthony.	
	var. <i>Obovarius pachostea</i> Raf., Per.	Kentucky.
57	<b>cor</b> <i>Conrad.</i>	Elk river.
	<i>U. mytiloides?</i> Raf. (young).	
57	<b>cordatus</b> <i>Raf.</i>	Cumberland river.
	<i>U. undatus</i> Barnes.	
	var. <i>U. trigonus</i> <i>Lea.</i>	
	<i>undulatus</i> <i>Desh.</i>	
57	<b>costatus</b> <i>Raf.</i>	Ohio river, Tennessee.
	<i>U. undulatus</i> Barnes.	
57	<b>crassidens</b> <i>Lam.</i>	Ohio river.
	<i>U. caucatus</i> Barnes.	
	var. <i>U. niger</i> Raf.	Ohio river.
	<i>gibber</i> <i>Lea.</i>	Tennessee.
57	<b>crassus</b> <i>Say.</i>	Ohio river.
	<i>U. ellipticus</i> Barnes.	
	var. <i>U. ellipsarius</i> Raf.	
	<i>ligamentina</i> <i>Lam.</i>	
	<i>orbiculatus</i> <i>Hild.</i>	Scioto river.
	<i>Mya gravis</i> <i>Wood.</i>	Cincinnati.
	<i>U. cyclips</i> Raf.	Mississippi.
	<i>abruptus</i> <i>Say.</i>	
58	<b>cuneolus</b> <i>Lea.</i>	Holston river.
58	<b>cylindricus</b> <i>Say.</i>	Wabash river.
	var. <i>U. naviformis</i> <i>Lam.</i>	Ohio river.
	<i>solenoides?</i> Raf.	Muskingum river.
58	<b>cyphus</b> <i>Raf.</i>	Ohio river.
	<i>U. Esopus</i> <i>Green.</i>	
	var. <i>Obliquaria cyphia</i> Raf.	Falls of Ohio river.
58	<b>decisus</b> <i>Lea.</i>	Alabama river.
58	<b>declivis</b> <i>Say.</i>	Bayou Teche.
	var. <i>U. geometricus</i> <i>Lea.</i>	Louisiana.
58	<b>delumbis</b> <i>Conrad.</i>	Cooper river, S. C.
	<i>U. modioliformis</i> <i>Lea.</i>	
58	<b>dilatatus</b> <i>Raf.</i>	Upper Missouri.
	<i>U. gibbosus</i> Barnes.	
	var. <i>U. mucronatus</i> Barnes.	Ohio river.
	<i>nasuta</i> <i>Lam.</i>	Tennessee.
58	<b>dolabriformis</b> <i>Lea.</i>	Altamaha river.
58	<b>dromas</b> <i>Lea.</i>	Harpeth river.
58	var.	Elk river.

Page.	Name.	Locality.
58	<b>Unio Edgarianus</b> <i>Lea.</i>	Holston river.
59	<b>exoultus</b> <i>Conrad.</i>	New Orleans.
59	<b>fasciatus</b> <i>Raf.</i>	Scioto river, Kentucky.
	<i>U. carinatus</i> <i>Barnes.</i>	
59	<b>fasciolaris</b> <i>Raf.</i>	Ohio river.
	<i>U. phaseolus</i> <i>Hild.</i>	
	var. <i>U. planulatus</i> <i>Lea.</i>	Wabash river.
	<i>camelus</i> <i>Lea.</i>	
	<i>cuneatus</i> <i>Hild.</i>	
59	<b>fasciolus</b> <i>Raf.</i>	Ohio river.
	<i>U. multiradiatus</i> <i>Lea.</i>	
	var. <i>U. ligamentina</i> <i>Desh.</i>	
59	<b>Fisherianus</b> <i>Lea.</i>	Chester river.
59	<b>flavus</b> <i>Raf.</i>	Kentucky, Ohio river.
	<i>U. rubiginosus</i> <i>Lea.</i>	
59	<b>flexuosus</b> <i>Raf.</i>	Ohio river.
	<i>U. foliatus</i> <i>Hild.</i>	
59	<b>folliculatus</b> <i>Lea.</i>	Savannah river.
59	<b>fragilis</b> <i>Raf.</i>	Detroit river.
	<i>U. gracilis</i> <i>Barnes.</i>	
	var. <i>U. fragilis</i> <i>Swains.</i>	Fox river.
	<i>Symphynota gracilis</i> <i>Lea.</i>	Ohio river.
59	<b>fragosus</b> <i>Conrad.</i>	Scioto river.
59	<b>fulvus</b> <i>Lea.</i>	South Carolina.
	<i>U. icterinus</i> <i>Conrad.</i>	
59	<b>gibbosus</b> <i>Raf.</i>	Ohio river.
	var. <i>U. torulosus</i> <i>Raf.</i>	Scioto river.
	<i>perplexus</i> <i>Lea.</i>	Wabash river.
60	<b>glans</b> <i>Lea.</i>	Ohio river.
60	<b>graniferus</b> <i>Lea.</i>	Ohio river.
60	<b>Griffithianus</b> <i>Lea.</i>	South Carolina.
60	<b>Haysianus</b> <i>Lea.</i>	Cumberland river.
60	<b>Hembell</b> <i>Conrad.</i>	Louisiana.
60	<b>heros</b> <i>Say.</i>	Fox river.
	var. <i>U. multiplicatus</i> <i>Lea.</i>	Tennessee river.
	<i>undulatus</i> <i>Say.</i>	Wabash river.
60	<b>heterodon</b> <i>Lea.</i>	Schuylkill river.
60	<b>Hildrethianus</b> <i>Lea.</i>	Ohio river.
	<i>Alasmodonta ambigua</i> <i>Say.</i>	
60	<b>Hopetonensis</b> <i>Lea.</i>	Darien, Georgia.
60	<b>Hydianus</b> <i>Lea.</i>	Teche river, La.
60	<b>incrassatus</b> <i>Lea.</i>	Chattahoochee river.
60	<b>inflatus</b> <i>Lea.</i>	Alabama river.
	<i>Symphynota inflata</i> <i>Lea.</i>	
	var. <i>U. Alabamensis</i> <i>Conrad.</i>	

Page.	Name.	Locality.
60	<b>Unio intermedius</b> Conrad.	Nolachucky riv., Tenn.
60	<b>interruptus</b> Raf. <i>U. brevidens</i> Lea. var.	Elk river, Tenn. Ohio river.
60	<b>Jayensis</b> Lea.	Florida.
60	<b>jejunus</b> Lea.	Roanoke river.
60	<b>Kirtlandianus</b> Lea.	Mahoning river.
60	<b>lanceolatus</b> Lea.	Tar river, N. C.
60	<b>lapillus</b> Say. <i>U. fabalis</i> Lea.	Detroit & Ohio rivers.
61	<b>lata</b> Raf. <i>Anodonta lata</i> Raf. var. <i>U. dehiscentes</i> Say. <i>oriens</i> Lea.	Ohio river. Wabash river.
61	<b>latiradiatus</b> Conrad. <i>U. interruptus</i> Lea.	Nashville, Tenn., Har- peth river.
61	<b>lecontianus</b> Lea.	Conochee river, Ga.
61	<b>lenior</b> Lea.	Stone's river, Tenn.
61	<b>leptodon</b> Raf. <i>U. tenuissimus</i> Lea. var. <i>U. planus</i> Barnes. <i>velum</i> Say. <i>Anodonta purpurascens</i> Swains.	Ohio river. Wisconsin. Scioto river.
61	<b>lienosus</b> Conrad.	Alabama.
61	<b>lineolatus</b> Raf. <i>U. securis</i> Lea. var. <i>U. depressus</i> Raf.	Ohio river.
61	<b>luteolus</b> Lam. var. <i>U. siliquoides</i> Barnes. <i>inflatus</i> Barnes.	Mohawk river. Delaware river. Lake Erie.
62	<b>Menkianus</b> Lea.	Harpeth river.
62	<b>metallicus</b> Say. <i>U. cuprinus</i> Lea.	Lake Chalco, Mexico.
62	<b>metanever</b> Raf. <i>U. metanevrus</i> Conrad. var. <i>U. nodosus</i> Barnes.	Ohio river.
62	<b>monodontus</b> Say. <i>U. soleniformis</i> Lea.	Wabash & Scioto rivs. Falls of Ohio.
62	<b>Muhlfeldianus</b> Lea.	Tennessee.
62	<b>mytilloides</b> Raf. <i>U. pyramidatus</i> Lea. var. <i>U. cardiacea</i> Say.	Ohio river.
62	<b>Nashvillianus</b> Lea.	Tennessee.
62	<b>nasutus</b> Say. var. <i>U. rostratus</i> Val.	New York.

Page.	Name.	Locality.
62	<b>Unio nervosus Raf.</b>	Ohio.
	<i>U. Donaciformis</i> Lea.	
	var. <i>U. zigzag</i> Lea.	Falls of Ohio.
62	<b>nexus Say.</b>	Cumberland river.
	<i>U. Arcæformis</i> Lea.	
62	<b>Nicklsonianus Lea.</b>	Mexico.
62	<b>nitens Lea.</b>	Long creek, Tenn.
62	<b>nodulatus Raf.</b>	Ohio river.
	<i>U. pustulatus</i> Lea.	
62	<b>Novi-Eboraci Lea.</b>	New York.
63	<b>obesus Lea.</b>	York river, Va.
63	<b>obliquatus Raf.</b>	Ohio.
	var. <i>U. ridibundis</i> Say.	Kentucky.
	<i>sulcatus</i> Lea.	
63	<b>obliquus Lam.</b>	Ohio river.
	<i>U. obovalis</i> Raf.	
	var. <i>U. ebenus</i> Lea.	
63	<b>Ohioensis Raf.</b>	Ohio river.
	<i>Anodonta Ohiensis</i> Raf.	
	var. <i>U. lævissimus</i> Lea.	
63	<b>ochraceus Say.</b>	Passaic river.
	var. <i>Symphynota ochracea</i> Lea.	New Jersey.
	<i>Mytilus fluviatilis</i> Gmelin.	Schuylkill river.
63	<b>olivarius Raf.</b>	Ohio river, Kentucky.
	var. <i>U. ellipsis</i> Lea.	Tennessee.
63	<b>ovalis Flem.</b>	Lake Champlain.
	<i>U. nodulosus</i> Lam., &c. &c.	
63	<b>ovatus Say.</b>	Ohio river.
	<i>U. ventricosus</i> Desh.	
	var. <i>U. subovatus</i> Desh.	
	<i>occidens</i> Desh.	
63	<b>oviformis Conrad.</b>	Tennessee.
63	<b>paludicolor Gould.</b>	Everglades, Fla.
63	<b>papyracea Gould.</b>	Miami river.
63	<b>parvus Barnes.</b>	Ohio and Fox rivers,
64	<b>paulus Lea.</b>	Georgia.
64	<b>pectorosus Conrad.</b>	Harpeth river.
	<i>U. perdix</i> Lea.	
64	<b>personatus Say.</b>	Wabash river.
	var. <i>U. capillaris</i> Lea.	Cumberland river.
	<i>pileus</i> Lea.	
64	<b>pictus Lea.</b>	Harpeth river.
64	<b>pilaris Lea.</b>	Tennessee.
64	<b>planilateris Conrad.</b>	Yadkin river.
64	<b>plenus Lea.</b>	Ohio river.

Page.	Name.	Locality.
64	<b>Unio plicatus Say.</b> <i>U. Peruviana</i> Lam. var. <i>U. rariplicata</i> Lam. <i>Dombeyanus</i> Valenc. <i>undulata</i> Desh. <i>multiplicata</i> Desh.	Ohio. St. Peter's river. Ohio.
64	<b>politus Say.</b> <i>U. subrotundus</i> Lea.	Ohio.
64	<b>pullus Conrad.</b>	Sawney's creek.
65	<b>purpuratus Lam.</b> <i>U. ater</i> Lea. var. <i>U. lugubris</i> Say. <i>Poulsoni?</i> Conrad. <i>ventricosus</i> Soland.	Mississippi. Bayou Teche. North Carolina.
65	<b>purpurulatus Say.</b> <i>U. Medellinus</i> Lea.	Mexico.
65	<b>quadrulus Raf.</b> <i>U. asperrimus</i> Lea. var. <i>Obliquaria quadrula</i> Raf. <i>U. rugosus</i> Barnes. <i>lachrymosus</i> Lea.	Ohio river.
65	<b>radiatus Lam.</b> <i>U. Virginiana</i> Lam. var. <i>Mya radiata</i> Gmelin. <i>oblongata</i> Wood.	Virginia. Wisconsin. Potomac.
65	<b>Rangianus Lea.</b>	Ohio river.
65	<b>Ravenellanus Lea.</b> <i>U. rudis</i> Conrad.	French Broad river.
65	<b>rectus Lam.</b> <i>U. latissima</i> Raf. var. <i>U. praelongus</i> Barnes. <i>Sageri</i> Conrad.	Ohio river. Lake Erie. Detroit river.
65	<b>reflexus Raf.</b> <i>U. cornutus</i> Barnes.	Alabama & Ohio rivers.
65	<b>retusus Lam.</b> var. <i>U. torsa</i> Raf. <i>obtusa</i> Say, Desh.	Ohio river. Tennessee. Wabash river.
65	<b>Roanokensis Lea.</b>	Roanoke river.
65	<b>rotundatus Lam.</b> <i>U. subglobosus</i> Lea. var. <i>U. suborbiculata</i> Lam. <i>glebulus</i> Say.	Bayou Teche. Louisiana.
66	<b>Sayi Ward.</b> var. <i>U. declivis</i> Conrad.	Kentucky. Ohio, Alabama.
66	<b>Shepardianus Lea.</b>	Hopeton, Ga., Altamaha riv.

Page.	Name.	Locality.
66	<b>Unio simus</b> <i>Lea.</i>	Tennessee.
66	<b>Sloatianus</b> <i>Lea.</i>	Chattahoochie river.
66	<b>solidus</b> <i>Lea.</i>	Mahoning river.
66	<b>Sowerbianus</b> <i>Lea.</i>	Tenn., Cumberland river.
66	<b>spinosus</b> <i>Lea.</i>	Altamaha river, Hope- ton and Darien, Ga.
66	<b>splendidus</b> <i>Lea.</i>	Altamaha river.
66	<b>stapes</b> <i>Lea.</i>	Alabama river.
66	<b>stegarius</b> <i>Raf.</i>	Scioto and Ohio rivers.
	<i>U. irroratus</i> <i>Lea.</i>	
66	<b>subinflatus</b> <i>Conrad.</i>	Savannah river.
66	<b>subplanus</b> <i>Conrad.</i>	Virginia.
66	<b>subrostratus</b> <i>Say.</i>	New York.
	<i>U. iris</i> <i>Lea.</i>	
	var. <i>U. nebulosus</i> <i>Conrad.</i>	Alabama.
67	<b>subrotundus</b> <i>Raf.</i>	Ohio river.
	<i>U. circulus</i> <i>Lea.</i>	
	var. <i>U. lens</i> <i>Lea.</i>	Tennessee.
67	<b>subtentus</b> <i>Say.</i>	Tennessee, Alabama.
67	<b>Tampicoensis</b> <i>Lea.</i>	Tampico river.
67	<b>Tappanianus</b> <i>Lea.</i>	Juniata river.
	<i>U. viridis</i> <i>Conrad.</i>	
67	<b>tenebrosus</b> <i>Conrad.</i>	Virginia.
	<i>U. tenerus</i> <i>Raf.</i>	
67	<b>teres</b> <i>Raf.</i>	Mississippi & Wabash rivers.
	<i>U. anodontoides</i> <i>Lea.</i>	
67	<b>tetralasmus</b> <i>Say.</i>	Bayou St. John.
67	<b>trapezoides</b> <i>Lea.</i>	Lake St. Joseph.
	var. <i>U. interruptus</i> <i>Say.</i>	Louisiana.
67	<b>triqueter</b> <i>Raf.</i>	Falls of Ohio.
	<i>U. triangularis</i> <i>Barnes.</i>	
	var. <i>U. cuneatus</i> <i>Swains.</i>	
	<i>formosus</i> <i>Lea.</i>	
67	<b>Troostensis</b> <i>Lea.</i>	Cumberland river.
	<i>U. trabalis</i> <i>Conrad.</i>	
67	<b>truncatus</b> <i>Raf.</i>	Wabash river, Ohio.
	<i>U. elegans</i> <i>Lea.</i>	
67	<b>tuberculatus</b> <i>Raf.</i>	Harpeth river.
	<i>U. verrucosus</i> <i>Barnes.</i>	
	var. <i>U. tuberculosa</i> <i>Val.</i>	Ohio river.
67	<b>turgidus</b> <i>Lea.</i>	New Orleans.
	<i>U. Mortoni</i> <i>Conrad.</i>	
67	<b>Vanuxemensis</b> <i>Lea.</i>	Cumberland river.
68	<b>venustus</b> <i>Lea.</i>	Potosi, Missouri.



Page.	Name.	Locality.
68	<b>Unio verrucosus Raf.</b> <i>U. tuberculatus</i> Barnes.	Ohio river.
68	<b>Watereensis Lea.</b> <i>U. Raveneli</i> Conrad.	Wateree canal.
68	<b>Zieglerianus Lea.</b>	Cumberland river.
68	<b>Margaritana arcuata Lea.</b>	Altamaha river.
68	<b>calceola Lea.</b> <i>Unio calceolus</i> Lea.	Ohio.
68	<b>complanata Barnes.</b> <i>Symphynota complanata</i> Lea. var. <i>Alasmodonta complanata</i> .	Ohio river. Tennessee.
68	<b>confragosa Say.</b> <i>Alasmodonta confragosa</i> Say.	Illinois.
68	<b>costata Raf.</b> <i>Alasmodonta rugosa</i> Barnes. var. <i>Alasmodonta abducta</i> Say.	Ohio. Wabash river.
68	<b>Curreyana Lea.</b>	Stone's river.
68	<b>deltoides Lea.</b>	Scioto river.
68	<b>margaritifera Linn.</b> <i>Alasmodonta arcuata</i> Barnes.	Hudson river.
69	<b>marginata Say.</b> <i>Alasmodonta marginata</i> Say. var. <i>Alasmodonta truncata</i> Say. <i>Unio cariosa</i> Lam. var. ? <i>varicosa</i> Lam. <i>calceolus</i> Say. <i>Mya regulosa</i> Wood.	New York. New Jersey. Lake Erie. Schuylkill river. Ohio river.
69	<b>Raveneliana Lea.</b>	Swananoë river.
69	<b>undulata Say.</b> <i>Alasmodonta undulata</i> Say. var. <i>Alasmodonta sculptilis</i> Say. <i>Mya undulata</i> Wood. <i>Unio hians</i> Valenc. <i>glabratus</i> Sowerby.	New York. Virginia. New Jersey. Lake Champlain.
71	<b>Anodonta Benedictensis Lea.</b> <i>Symphynota Benedictensis</i> Lea.	Lake Champlain.
71	<b>Couperiana Lea.</b>	Hopeton Ga.
71	<b>cyllindracea Lea.</b>	Medellin river.
71	<b>decora Lea.</b>	Chillicothe.
71	<b>edentula Say.</b> <i>Alasmodonta edentula</i> Say. var. <i>Alasmodonta areolatus</i> Swain.	Ohio. Wabash river.
71	<b>excurvata De Kay.</b> <i>A. fluctilis</i> ? Lea.	Passaic river.
71	<b>ferruginea Lea.</b>	Indiana.
71	<b>Ferussaciana Lea.</b>	Cincinnati.

Page.	Name.	Locality.
72	<b>Anodonta fluviatilis</b> <i>Lea.</i>	Hudson river.
	<i>Mytilus fluviatilis</i> Sol.	
	var. <i>Mytilus illitus</i> Sol.	New Jersey.
	<i>A. cataracta</i> Say.	New York.
	<i>marginata</i> Say.	Massachusetts.
	<i>implicata</i> Say.	Connecticut.
	<i>teres</i> Conrad.	South Carolina.
72	<b>Footiana</b> <i>Lea.</i>	Ohio.
72	<b>gibbosa</b> <i>Say.</i>	South Carolina.
72	<b>gigantea</b> <i>Lea.</i>	Port Gibson.
72	<b>glauca</b> <i>Valenc.</i>	Acapulco.
72	<b>grandis</b> <i>Say.</i>	Fox river.
	<i>A. corpulenta</i> Cooper.	
72	<b>imbecilis</b> <i>Say.</i>	Wabash river and Cin-
	<i>A. incerta</i> <i>Lea.</i>	cinnati.
72	<b>Newtonensis</b> <i>Lea.</i>	New Jersey.
72	<b>Nuttalliana</b> <i>Lea.</i>	Wahlamat river.
72	<b>Oregonensis</b> <i>Lea.</i>	Wahlamat river.
72	<b>ovata</b> <i>Lea.</i>	Marietta.
72	<b>Pepiniana</b> <i>Lea.</i>	Lake Pepin.
73	<b>salmonia</b> <i>Lea.</i>	Poland, Ohio.
73	<b>Stewartiana</b> <i>Lea.</i>	Louisiana.
73	<b>subcylindracea</b> <i>Lea.</i>	Oak Orchard cr., N. Y.
73	<b>suborbiculata</b> <i>Say.</i>	Illinois.
	var. <i>A. rotundatus</i> Swains.	Alton, Illinois.
73	<b>undulata</b> <i>Say.</i>	New York.
	<i>A. rugosus</i> Swains.	
	var. <i>A. Pennsylvanica</i> Lam.	Pennsylvania.
73	<b>Wahlamatensis</b> <i>Lea.</i>	Wahlamat river.
73	<b>Wardiana</b> <i>Lea.</i>	Ohio.
	<i>A. virgata</i> Conrad.	
<b>Family Chamacea.</b>		
74	<b>Chama arcinella</b> <i>Linn.</i>	Florida.
75	<b>exogyra</b> <i>Conrad.</i>	Upper California.
75	<b>producta</b> <i>Brod.</i>	Mexico.
<b>Family Mytilacea.</b>		
76	<b>Modiola capax</b> <i>Conrad.</i>	California.
76	<b>ciceroula</b> <i>Möll.</i>	Greenland.
	<i>Mytilus decussatus</i> Mont.	
76	<b>discors</b> <i>Linn.</i>	Greenland.
	<i>Mytilus discors</i> Linn.	
	<i>lævigata</i> Gray.	
	<i>Modiola discrepans</i> Lam.	

Page.	Name.	Locality.
76	<b>Modiola dubia.</b>	Greenland.
76	<i>glandula</i> <i>Totten.</i>	Massachusetts.
76	<i>modiolus</i> <i>Linn. (var.)</i>	United States.
	<i>Modiola papuana</i> <i>Lam.</i>	
	<i>Mytilus modiolus</i> <i>Linn.</i>	
	<i>barbatus</i> <i>Linn.</i>	
76	<i>nexa</i> <i>Gould.</i>	Massachusetts.
76	<i>pectinula</i> <i>Gould.</i>	Massachusetts.
77	<i>plicatula</i> <i>Lam.</i>	New York.
	<i>Mytilus demissus</i> <i>Wood.</i>	
	var. <i>Modiola semicostata</i> <i>Conrad.</i>	Massachusetts.
77	<i>tulipa</i> <i>Lam.</i>	United States.
77	<b>Mytilus bifurcatus</b> <i>Conrad.</i>	California.
77	<i>californianus</i> <i>Conrad.</i>	California.
77	<i>cubitus</i> <i>Say.</i>	Charleston, S. Ca.
77	<i>hamatus</i> <i>Say.</i>	Mobile.
77	<i>leucophantus</i> <i>Conrad.</i>	Georgia.
78	<b>Mytilimeria Nuttallii</b> <i>Conrad.</i>	California.
78	<b>Pinna muricata</b> <i>Linn.</i>	South Carolina.
79	<i>saccata</i> <i>Linn. (var.)</i>	California.
	<i>P. Nuttallii</i> <i>Conrad.</i>	

## ORDER UNIMUSCULOSA.

## Family Pectinacea.

83	<b>Lima sulcata</b> <i>Leach.</i>	Greenland.
83	<b>Pecten circularis</b> <i>Sowerby.</i>	California.
84	<i>dislocatus</i> <i>Say.</i>	Florida.
85	<i>Islandicus</i> <i>Chemn. (var.)</i>	Greenland.
	var. <i>P. Pealeii</i> <i>Conrad.</i>	Massachusetts.
	<i>Cinnabarina</i> <i>Dillw.</i>	B'ks of Newfoundland.
85	<i>irradians</i> <i>Lam.</i>	New York, N. Jersey.
	<i>P. turgidus</i> <i>Sowerby.</i>	
	var. <i>P. concentricus</i> <i>Say.</i>	Connecticut.
85	<i>lati-auratus</i> <i>Conrad.</i>	California.
85	<b>Magellanicus</b> <i>Gmelin.</i>	Newfoundland, N. J.,
	<i>P. tenuicostata</i> <i>Mighels.</i>	Maine.
85	<i>mesotimeris</i> <i>Conrad.</i>	California.
88	<b>Hinnites gigantea</b> <i>Gray (var.)</i>	California.
	<i>Ostrea gigantea</i> <i>Wood.</i>	
	var. <i>Hinnita Poulsoni</i> <i>Conrad.</i>	
89	<b>Spondylus longitudinalis</b> <i>Lam.</i>	America.
89	<i>pictorium</i> <i>Chemn.</i>	West Mexico.
89	<b>Exogyra costata.</b>	New Jersey.

Family **Ostracea.**

Page.	Name.	Locality.
89	<b>Ostræa borealis</b> Lam. var. <i>Ostrea Canadensis</i> Brug.	N. Y., Mass., Conn. New Jersey.
91	<b>Virginica</b> Gmelin. <i>Ostrea Virginiana</i> List.	Maryland, Virginia.
91	<b>Gryphæa convexa</b> Say (fossil).	New Jersey.
92	<b>Anomia aculeata</b> Müll.	New York.
92	<b>ephippium</b> Linn.	New York.

## CLASS BRACHIOPODA.

Family **Tendinosa.**

92	<b>Terebratula Californiana</b> Kwt.	California.
92	<b>caput-serpentis</b> Lam. <i>T. costata</i> Lowe. <i>aurita</i> Flem. <i>pubescens</i> Müll.	Maine.
93	<b>psittacea</b> Lam.	Newfoundland.
93	<b>septentrionalis</b> Couth.	Maine.

## CLASS GASTEROPODA.

ORDER **HYDROBRANCHIATA.**

95	<b>Eolis Bostoniensis</b> Couth.	Boston.
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ORDER **CIRRHOBANCHIATA.**

96	<b>Dentalium annulatum</b> Mighels.	Maine.
96	<b>entalis</b> Linn. (var.)	Maine.
96	<b>dentalis</b> Linn. <i>D. attenuatum</i> Say.	Boston.

ORDER **CYCLOBRANCHIATA.**

97	<b>Chiton albolineatus</b> Brod.	Mazatlan.
97	<b>apiculatus</b> Say. <i>C. pectinatus</i> Gould, p. 98.	New York.
97	<b>armatus</b> Nutt. <i>C. muscosus</i> Gould.	Upper California.
97	<b>cinereus</b> Linn. (var.) <i>C. minimus</i> Chemn. <i>cimex</i> Chemn.	Greenland.
98	<b>Emersonianus</b> Couth. var. <i>C. vestitus</i> Sowerby.	Massachusetts bay. Arctic ocean.

Page.	Name.	Locality.
98	<b>Chiton fulminatus</b> <i>Couth.</i>	Massachusetts bay.
	<i>C. lævigatus</i> <i>Flem.</i>	
	var. <i>C. latus</i> <i>Lowe.</i>	Northern Ocean.
98	<i>lævigatus</i> <i>Sowerby.</i>	California.
98	<b>Magdalenensis</b> <i>Hinds.</i>	California.
99	<i>scaber</i> <i>Reeve.</i>	Monterey, California.
100	<b>Patella candida</b> <i>Couth.</i>	Maine.
100	<i>cerea</i> <i>Müller.</i>	Greenland.
101	<b>Patella diaphana</b> <i>Nutt.</i>	Upper California.
101	<i>fenestrata</i> <i>Nutt.</i>	Upper California.
101	<i>lævigata</i> <i>Nutt.</i>	Upper California.
101	<i>leucophæa</i> <i>Gmelin.</i>	Upper California.
101	<i>mammillata</i> <i>Nutt.</i>	Upper California.
101	<b>Maxatlandica</b> <i>Sowerby.</i>	Mazatlan.
101	<i>monticolor</i> <i>Nutt.</i>	Upper California.
101	<b>Oregana</b> <i>Nutt.</i>	Upper California, Columbia river.
102	<i>pileata</i> <i>Nutt.</i>	Upper California.
102	<i>rubella</i> <i>Fabr.</i>	Greenland.
102	<i>spectrum</i> <i>Nutt.</i>	Upper California.
102	<i>strigillata</i> <i>Nutt.</i>	Upper California.
102	<i>tessellata</i> <i>Nutt.</i>	Upper California.
102	<i>umbonata</i> <i>Nutt.</i>	Upper California.

## ORDER CERVICOBRANCHIATA.

## Family Fissuracea.

103	<b>Lottia alveus</b> <i>Conrad.</i>	New York.
103	<i>scabra</i> <i>Nutt.</i>	Upper California.
103	<i>testudinalis</i> <i>Müll.</i>	Mass., Greenland.
	<i>Patella testudinalis</i> <i>Müll.</i>	
105	<b>Fissurella alternata</b> <i>Say.</i>	Maryland.
105	<i>crenulata</i> <i>Sowerby.</i>	Up. Calif., Monterey.
107	<b>Cemoria Noachina</b> <i>Linn.</i>	Maine, Greenland.
	<i>Patella Noachina</i> <i>Linn.</i>	
	<i>Fissurella Noachina</i> <i>Sowerby.</i>	

## Family Capulacea.

107	<b>Crepidula exuviata</b> <i>Nutt.</i>	Upper California.
107	<i>fornicata</i> <i>Linn.</i>	New York.
107	<i>glauca</i> <i>Say.</i>	Rhode Island.
107	<b>Navicelloides</b> <i>Nutt.</i>	Upper California.
107	<i>onyx</i> <i>Sowerby.</i>	Upper California.
	<i>C. rugosa</i> <i>Nutt.</i>	
107	<i>plana</i> <i>Say.</i>	New York.
108	<b>Calyptræa striata</b> <i>Say.</i>	Rhode Island.

Family **Macrostromata.**

Page.	Name.	Locality.
109	<b>Sigaretus perspectivus</b> Say.	South Carolina.
109	<b>Haliotis Californiensis</b> Swains.	California.
110	<i>corrugata</i> Gray.	California.
110	<b>Cracherodil</b> Leach.	California.
	<i>H. glaber</i> Schub.	
110	<b>splendens</b> Reeve.	California.

Family **Tubispiracea.**

111	<b>Skenea serpuloides</b> Flem.	Boston harbor.
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ORDER **PLEUROBRANCHIATA.**Family **Bullacea.**

112	<b>Bulla canaliculata</b> Say.	New Bedford.
113	<i>debilis</i> Gould.	Massachusetts bay.
113	<b>Gouldii</b> Couth.	Boston bay.
113	<i>insculpta</i> Totten.	New York.
113	<i>obstricta</i> Gould.	New Bedford.
113	<i>oryza</i> Totten.	New Bedford.
113	<i>triflicea</i> Couth.	Boston Bay.

ORDER **PULMOBRANCHIATA.**Family **Colimacea.**

119	<b>Helix albolabris</b> Say.	N. Y., Georgia, Ohio.
	<i>Tridopsis albolabris</i> Beck.	
119	<b>alternata</b> Say.	New York.
	<i>H. scabra</i> Lam.	
	var. <i>H. radiata</i> Gmelin.	Ohio.
	<i>Patula alternata</i> Held.	Tennessee.
	<i>Euryomphala alternata</i> Beck.	Massachusetts.
120	<b>appressa</b> Say.	New York.
	<i>Tridopsis appressa</i> Beck.	
	var. <i>Helicodonta linguifera</i> Fer.	Missouri.
120	<b>arborea</b> Say.	New York.
	<i>H. Ottonis</i> Pfr.	
	var. <i>Helicella arborea</i> Beck.	
121	<b>areolata</b> Sowerby.	Columbia river.
122	<b>auriculata</b> Say.	Florida.
	<i>Polygyra auriculata</i> Say.	
	var. <i>Helicodonta auriculata</i> Fer.	St. Augustine.
	<i>Duedalochila auriculata</i> Beck.	

Page.	Name.	Locality.
122	<b>Helix avara</b> Say. <i>Polygyra avara</i> Say. var. <i>Helicodonta avara</i> Fer. <i>H. Sayi</i> Wood. <i>auriculata</i> Binney. <i>Stenotrema avara</i> Raf. <i>Daedalochila avara</i> Beck.	Florida. Louisiana.
123	<b>Berlanderiana</b> Moric. <i>H. virginalis</i> Jan.	Texas.
125	<b>Buffoniana</b> Pfr.	Mexico.
125	<b>Californiensis</b> Lea. <i>H. Nickliniana</i> Lea.	Columbia riv., Calif'a
127	<b>Caroliniensis</b> Lea. <i>H. palliata?</i> Say.	New York.
128	<b>cellaria</b> Müll. <i>H. glaphyra?</i> Say.	United States.
128	<b>cereolus</b> Mühlf. <i>H. septemvola</i> Fer. var. <i>H. planorbula</i> Lam. <i>polygyrata</i> Binney. <i>Polygyra septemvola</i> Say. <i>planorbula</i> Beck.	Florida.
129	<b>cheratina</b> Say. <i>H. fulva</i> Drap.	Massachusetts.
131	<b>clausa</b> Raf. <i>Helicodonta clausa</i> Fer. var. <i>Helix infecta</i> Say. <i>Tridopsis clausa</i> Raf. <i>infecta</i> Beck. <i>Gonostoma clausum</i> Held.	Tennessee. Missouri. Carolina.
131	<b>coacotillata</b> Fer. <i>H. fasciata</i> Nyst.	Tabasco.
132	<b>Columbiana</b> Lea.	California.
132	<b>conveza</b> Raf. <i>H. hirsuta</i> Fer. var. <i>a.</i> <i>monodon</i> Rack., Binney. <i>fraterna</i> Say. <i>H. Leaii</i> Ward. <i>Stenotrema conveza</i> Raf. <i>Tridopsis conveza</i> Beck. <i>fraterna</i> Beck.	Ohio. Pennsylvania.
134	<b>Cumberlandiana</b> Lea.	Tennessee.
135	<b>demissa</b> Binney.	Alabama.
135	<b>dentifera</b> Binney.	Vermont.

Page.	Name.	Locality.
136	<b>Helix diodonta</b> Say. <i>H. Sayi</i> Binney.	Vermont.
137	<b>Edgariana</b> Lea. <i>Carocolla Edgariana</i> Lea.	Tennessee.
137	<b>elevata</b> Say. <i>Helicodonta Knoxvilliana</i> F. var. <i>Mesodon helicinum</i> Raf. <i>Tridopsis elevata</i> Beck.	Ohio.  Tennessee.
138	<b>fallax</b> Say. var. <i>H. tridentata</i> Binney.	New York.
139	<b>fidelis</b> Gray. var. <i>H. Nuttalliana</i> Lea.	Columbia river. Oregon.
140	<b>fuliginosa</b> Griff. <i>H. capillacea</i> Pfr.	Ohio.
141	<b>fulva</b> Drap. (var.) <i>H. trochulus</i> Dillw. <i>trochilus</i> Flem. <i>nitidula</i> Alten. <i>chersina</i> Say. <i>Mandalisci</i> Bivon. <i>Conulus fulvus</i> Fitz. <i>Petasia trochiformis</i> Beck. <i>Polita fulva</i> Held. <i>H. Mortoni</i> Jeffr. <i>Alderi</i> Gray.	Massachusetts.
143	<b>griseola</b> Pfr. <i>H. cicercula</i> Fer. var. <i>H. splendidula</i> Ant. <i>Bradybaena pisum</i> Beck.	Mexico.  Vera Cruz.
143	<b>gularis</b> Say. <i>Helicodonta gularis</i> Fer. var. <i>Sagda?</i> <i>gularis</i> Beck. <i>Helix suppressa</i> Say.	Ohio.
144	<b>Hindsi</b> Pfr.	Mexico.
144	<b>hirsuta</b> Say. <i>Helicodonta hirsuta</i> Fer. var. <i>Helix fraterna</i> Wood. <i>sinuata</i> y Gmelin. <i>Helix isognomostomos</i> Gmelin. <i>Tridopsis hirsuta</i> Beck. <i>Helix stenotrema</i> Fer.	New York.  Pennsylvania. Massachusetts. Rhode Island. Connecticut. Indiana.
146	<b>indentata</b> Say.	New Jersey.
147	<b>inornata</b> Say.	South Carolina.
147	<b>interna</b> Say. <i>H. pomum-Adami</i> Green.	Ohio.



Page.	Name.	Locality.
147	<b>Helix intertexta</b> Binney.	Ohio.
148	<b>labyrinthica</b> Say. <i>Helicodonta labyrinthica</i> Fer.	New York.
149	<b>lævigata</b> Raf. <i>Helix inornata</i> Binney. var. <i>Helicella lævigata</i> Fer. <i>Mesomphix lævigata</i> Raf.	Ohio.
151	<b>liger</b> Say. <i>H. Wardiana</i> Lea. var. <i>H. Rafinesquea</i> Fer.	Ohio. Kentucky.
151	<b>lineata</b> Say. <i>Helicella lineata</i> Fer. var. <i>Euryomphala lineata</i> Beck.	New York. Massachusetts.
152	<b>lucubrata</b> Say.	Mexico.
153	<b>major</b> Binney. var. <i>H. albolabris</i> Fer.	Georgia.
155	<b>minuscula</b> Binney.	Ohio.
155	<b>Mobiliana</b> Lea.	Mobile.
155	<b>multidentata</b> Gould.	Vermont.
155	<b>multilineata</b> Say. <i>Helicogena multilineata</i> Fer. var. <i>Eurycratera multilineata</i> Beck.	Ohio. Vermont.
157	<b>nemorialis</b> Linn. (var.) <i>H. subglobosa</i> Binney.	Vermont.
159	<b>obstricta</b> Say. var. <i>H. denotata</i> Fer. <i>Carocolla helicoides</i> Lea.	Ohio. Kentucky.
160	<b>Oregonensis</b> Lea.	Oregon.
161	<b>palliata</b> Say. <i>Helix notata</i> Desh. var. <i>Helicodonta denotata</i> Fer. <i>Helix Caroliniensis</i> Lea. <i>Tridopsis palliata</i> Beck.	New York. Ohio. Vermont. Carolina.
162	<b>Pennsylvanica</b> Green. <i>H. clausa</i> Say.	Pennsylvania.
163	<b>perspectiva</b> Say. <i>Helicella perspectiva</i> Fer. var. <i>Helix patula</i> Desh. <i>Euryomphala perspectiva</i> Beck. <i>Patula perspectiva</i> Held.	New York.
165	<b>planorboides</b> Raf. <i>Helicella planorboides</i> Fer. var. <i>Mesomphix planorboides</i> Raf. <i>Helix concava</i> Say. <i>Circinaria planorboides</i> Beck.	Ohio. Illinois.

Page.	Name.	Locality.
167	<b>Helix profunda</b> Say. <i>Helicella Richardi</i> Fer. var. <i>Tridopsis Richardi</i> Beck.	Ohio.
167	<b>pulchella</b> Müll. (var.) <i>H. paludosa</i> Walk., Mont., &c. &c. <i>H. minuta</i> Say.	Ohio.
168	<b>pura</b> Alder. (var.) <i>Helix nitidula</i> $\beta$ Drap. <i>lenticula</i> Held. <i>electrina</i> Gould. <i>nitida</i> Bisso. <i>Helicella nitidosa</i> Beck. <i>Polita nitidosa</i> Held. <i>Zonites purus</i> Gray. <i>Helix striatula</i> Gray. <i>radiatula</i> Alder. <i>Zonites radiatulus</i> Gray. <i>Helix viridula</i> Menke. <i>clara</i> Held. <i>Helicella viridula</i> Beck. <i>Polita clara</i> Held.	Ohio.
169	<b>pustula</b> Fer. <i>Helicodonta pustula</i> Fer.	Texas.
173	<b>Sayi</b> Binney. <i>H. diodonta</i> Say.	Vermont.
176	<b>solitaria</b> Say. <i>Euryomphala solitaria</i> Beck.	Ohio.
176	<b>spinosa</b> Lea. <i>Carocolla spinosa</i> Lea.	Alabama.
177	<b>striatella</b> Anthony. <i>H. perspectiva</i> Fer.	Ohio.
178	<b>subplana</b> Binney.	New York.
180	<b>Texasiana</b> Moric. <i>H. triodonta</i> Jan. var. <i>H. fatigiata</i> Binney. <i>Polygyra plicata</i> Say. <i>Tridopsis triodonta</i> Beck. <i>Polygyra fatigiata</i> Say.	Texas. Alabama.
180	<b>thyroides</b> Say. <i>Helix thyroidus</i> Say. var. <i>Helicodonta thyroidus</i> Say. <i>Mesodon leucodon</i> Rafin. <i>Tridopsis thyroidus</i> Beck.	New York. Ohio.
180	<b>Townsendiana</b> Lea.	Wahlamat.

Page.	Name.	Locality.
181	<b>Helix tridentata</b> Say. <i>Helicodonta tridentata</i> Say. var. <i>Tridopsis lunula</i> Rafn., Beck. <i>tridentata</i> Beck.	New York. N. England, Canada. Pennsylvania.
182	<b>Troostiana</b> Lea. <i>Polygyra Troostiana</i> Lea.	Tennessee.
182	<b>tudiculata</b> Binney.	California.
183	<b>Vancouverensis</b> Lea.	Oregon.
184	<b>ventrosula</b> Pfr.	Mexico.
186	<b>zaleta</b> Say. <i>H. albolabris</i> Fer.	New York.
194	<b>Bulimus dealbatus</b> Say. <i>Helix dealbata</i> Say. var. <i>Buliminus dealbatus</i> Beck. <i>Zebrina dealbata</i> Held.	Tennessee. Alabama.
196	<b>fenestratus</b> Pfr.	Mexico.
198	<b>Gruneri</b> Pfr.	Mexico.
198	<b>Hegewischi</b> Pfr.	Mexico.
201	<b>Mexicanus</b> Lam. <i>Cochlogena vittata</i> Fer. var. <i>Bulimulus Mexicanus</i> Beck.	Tabasco.
206	<b>punctatissimus</b> Less. (var.) <i>Clausilia exesa</i> Pot. et M. <i>Cochlodina exesa</i> Fer. <i>Auricula fuscagula</i> Lea. <i>Pupa septemplicata</i> Mühlf. † <i>Odontostomus fuscagulus</i> , Beck. <i>Bulimus septemplicatus</i> Pfr.	Mexico.
208	<b>rudis</b> Anton.	Mexico.
208	<b>Schiedeanus</b> Pfr. <i>B. xanthostomus</i> Wieg. var. <i>B. candidissimus</i> Nyst.	Mexico.
213	<b>zebra</b> Müll. <i>Buccinum zebra</i> Müll., &c. &c.	Mexico.
218	<b>Achatina fasciata</b> Müll. <i>Buccinum fasciatum</i> Müll., &c. &c.	Florida.
219	<b>lubrica</b> Müll. <i>Helix lubrica</i> Müll., &c. &c.	Massachusetts.
221	<b>Rangiana</b> Pfr.	Mexico.
222	<b>trochlea</b> Pfr.	Mexico.
222	<b>truncata</b> Gmel. <i>Bulla truncata</i> Gmel. <i>Buccinum striatum</i> Chemn. <i>Bulimus striatus</i> Brug.	Florida, &c.

Page.	Name.	Locality.
	<i>Cochlicopa rosea</i> Fer.	
	<i>Achatina rosea</i> Desh.	
	<i>striata</i> Lam.	
	<i>Polyphemus glans</i> Say.	
	<i>Glandina truncata</i> Say.	
223	<b>Achatina virginea</b> Linn.	Florida, &c.
	<i>Bulla Virginea</i> Linn., &c. &c.	
224	<b>Pupa armifera</b> Say.	Ohio.
	<i>P. armigera</i> Pot. et M.	
	var. <i>P. rupicola</i> Pfr.	
225	<b>contracta</b> Say.	New York.
225	<b>corticaria</b> Say.	Ohio.
	<i>Odostomia corticaria</i> Say.	
226	<b>fallax</b> Say.	New York.
	<i>P. albolabris</i> Ward.	
	var. <i>P. simplex</i> Binney.	Massachusetts.
	<i>Cyclostoma marginatum</i> Say.	
	<i>P. placida</i> Say.	
227	<b>Gouldii</b> Binney.	New York.
228	<b>millum</b> Gould.	Vermont.
229	<b>muscorum</b> Linn. (var.)	New York.
	<i>Turbo muscorum</i> Linn., &c.	
	<i>P. badia</i> Adams.	
230	<b>ovata</b> Say.	New York.
	<i>Vertigo ovata</i> Say.	
	var. <i>P. modesta</i> Say.	
	<i>P. ovulum</i> Pfr.	
230	<b>pentodon</b> Say.	New York.
	<i>Vertigo pentodon</i> Say.	
	var. <i>P. Tappaniana</i> Ward.	Vermont.
	<i>curvidens</i> Gould.	Ohio.
231	<b>rupicola</b> Say.	S. Carolina, Florida.
232	<b>simplex</b> Gould.	Massachusetts.
235	<b>Cylindrella Goldfussi</b> Menke.	Texas.
235	<i>Liebmanni</i> Pfr.	Mexico.
250	<b>Succinea avara</b> Say.	New York.
	var. <i>S. vermeta</i> Say.	
250	<b>campestris</b> Say.	New York.
	<i>Cochlohydra campestris</i> Fer.	
250	<b>Grœnlandica</b> Beck.	Greenland.
250	<b>inflata</b> Lea.	Carolina.
250	<b>Oregonensis</b> Lea.	Oregon.
250	<b>ovalis</b> Say.	New York.
	var. <i>Cochlohydra ovalis</i> Fer.	Ohio.

## Family Cyclostomacea.

Page.	Name.	Locality.
255	<i>Cyclostoma dentatum</i> Say.	Florida.
257	<i>Mexicanum</i> Menke. ( <i>Aperostoma</i> ) Troschel.	Mexico.
259	<i>Sayanum</i> Anthony.	Ohio.
262	<i>Helicina occulta</i> Say.	Indiana.
262	<i>orbiculata</i> Say. <i>Polygyra orbiculata</i> Say.	East Florida.

## Family Auriculacea.

263	<i>Caryohium exiguum</i> Say. <i>Pupa exigua</i> Say.	Vermont.
264	<i>Auricula bidentata</i> Say. <i>Auricula cornea</i> Desh. var. <i>Melampus bidentatus</i> Say.	New York. Massachusetts.
264	<i>denticulata</i> Mont. (var.) <i>Actæon denticulatus</i> Flem. <i>Jaminea denticulata</i> Leach. <i>Conovulus denticulatus</i> Gray. <i>Auricula myosotis</i> Jeffr.	Massachusetts.
265	<i>Sayi</i> Kust.	New Jersey.

## Family Lymnæadæ.

267	<i>Planorbis albus</i> Müll. (var.) <i>Helix alba</i> Gmel. <i>P. villosa</i> Poir. <i>albus</i> Turton. <i>hirsutus</i> Gould.	Massachusetts.
267	<i>armigerus</i> Say.	New York.
267	<i>bicarinatus</i> Say. var. <i>P. engonatus</i> Conrad.	New York. Georgia.
267	<i>campanulatus</i> Say.	New York.
267	<i>corpulentus</i> Say.	Winnipeg river.
267	<i>deflectus</i> Say. var. <i>P. virens</i> Adams.	Ohio. Vermont.
267	<i>dilatatus</i> Gould.	Massachusetts.
267	<i>exacutus</i> Say.	New York.
267	<i>lentus</i> Say.	South Carolina.
268	<i>parvus</i> Say. var. <i>P. elevatus</i> Adams. <i>concauus</i> Anthony.	New York. Vermont. Ohio.
268	<i>trivolvus</i> Say. var. <i>P. regularis</i> Lea. <i>fallax</i> Say.	New York. New England. New Jersey.

Page.	Name.	Locality.
268	<b>Lymnæa appressa</b> Say.	Vermont.
268	<b>attenuata</b> Say.	Mexico.
268	<b>caperata</b> Say.	Ohio.
	var. <i>L. umbilicata</i> Adams.	New Bedford.
268	<b>catascopium</b> Say.	New York.
	<i>L. emarginata</i> Say.	
	var. <i>L. Virgineana</i> Lam.	Virginia.
	<i>cornea</i> Val.	
	<i>pinguis</i> Say.	Wisconsin.
	<i>derollata</i> Mighels.	Unity, Maine.
269	<b>columella</b> Say.	Massachusetts.
	var. <i>L. acuminata</i> Adams.	Woburn.
	<i>chalybea</i> Gould.	Cambridge.
	<i>coarctata</i> Lea.	Rhode Island.
	<i>macrostoma</i> Say.	Cayuga lake, N. Y.
269	<b>desidiosa</b> Say.	New York.
	var. <i>L. acuta</i> Lea.	Massachusetts.
	<i>Philadelphica</i> Lea.	Pennsylvania.
269	<b>elodes</b> Say.	New York.
269	<b>elongata</b> Say.	New York.
	<i>L. umbrosa</i> Say.	
269	<b>expansa</b> Hald.	Vermont.
269	<b>ferruginea</b> Hald.	Oregon.
269	<b>fragilis</b> Linn. (var.)	New York.
	<i>L. palustris</i> Dr.	
	<i>L. speciosa</i> Ziegl.	
	var. <i>L. corvus</i> Parr.	
269	<b>gracilis</b> Jay.	Vermont.
	<i>Acella gracilis</i> Hald.	
269	<b>Grœnlandica.</b>	Greenland.
269	<b>humilis</b> Say.	New York.
	var. <i>L. modicella</i> Say.	Maine.
	<i>parva?</i> Lea.	Ohio.
269	<b>jugularis</b> Say.	New York.
270	<b>Lindsleyi</b> De Kay.	Connecticut.
270	<b>megasoma</b> Say.	N. W. Territory.
270	<b>Nuttalliana</b> Lea.	Oregon.
270	<b>obrunsa</b> Say.	Philadelphia.
270	<b>pallida</b> Adams.	Lake Champlain.
270	<b>reflexa</b> Say.	New York.
	var. <i>L. exilis</i> Lea.	Ohio.
270	<b>solida</b> Lea.	Oregon.
271	<b>umbrosa</b> Say.	New York.
	var. <i>L. elongata</i> Say.	Connecticut.

Page.	Name.	Locality.
271	<b>Lymnæa Vahlîi Beck.</b>	Greenland.
	<i>Limnophysa Vahlîi Beck.</i>	
271	<b>Physa ancillaria Say.</b>	Pennsylvania.
	var. <i>P. Sayi</i> Tappan.	Ohio.
271	<b>distorta Hald.</b>	St. Louis.
271	<b>fragilis Mighels.</b>	Maine.
271	<b>gyrina Say.</b>	Ohio.
	var. <i>P. elliptica</i> Lea.	Indiana.
271	<b>heterostropha Say.</b>	New York.
	var. <i>P. aurea</i> Lea.	Virginia.
271	<b>hypnorum Linn. (var.)</b>	New York.
	<i>P. elongata</i> Say.	
271	<b>obesa De Kay.</b>	Mohawk river.
271	<b>oculans Hald.</b>	Mexico.
271	<b>scalaris Jay.</b>	Florida.
272	<b>Ancylus diaphanus Hald.</b>	Ohio.
272	<b>fuscus Adams.</b>	Massachusetts.
272	<b>obscurus Hald.</b>	Tennessee.
272	<b>parallelus Hald.</b>	New England.
272	<b>rivularis Say.</b>	Pennsylvania.
272	<b>tardus Say.</b>	Vermont.

## ORDER PECTINIBRANCHIATA.

## Family Melaniana.

272	<b>Melania æqualis Hald.</b>	Nolachucky river.
272	<b>altilis Lea.</b>	Susquehannah river.
272	<b>alveare Conrad.</b>	Tennessee.
272	<b>annulifera Conrad.</b>	Alabama.
272	<b>approxima Hald.</b>	Tennessee.
272	<b>armigera Say.</b>	Tennessee.
273	<b>bella-ore nata Hald.</b>	Alabama.
273	<b>Boykiniana Lea.</b>	Georgia.
273	<b>Buddii Lea.</b>	Tennessee.
273	<b>caliginosa Lea.</b>	Tennessee.
273	<b>canaliculata Say.</b>	Ohio.
273	<b>catenaria Say.</b>	South Carolina.
273	<b>catenoides Lea.</b>	Georgia.
273	<b>Cincinnatiensis Lea.</b>	Ohio.
273	<b>clavæformis Lea.</b>	Tennessee.
273	<b>comma Conrad.</b>	Alabama.
273	<b>congesta Conrad.</b>	Alabama.
273	<b>conica Say.</b>	Ohio.
273	<b>costulata Lea.</b>	Tennessee.

Page.	Name.	Locality.
273	<b>Melania crebricoostata</b> Lea.	Tennessee.
273	<b>depygls</b> Say.	Ohio.
273	<b>dubiosa</b> Lea.	Alabama.
273	<b>Duttoniana</b> Lea.	Tennessee.
273	<b>ebenum</b> Lea.	Tennessee.
273	<b>Edgariana</b> Lea.	Tennessee.
273	<b>elevata</b> Say.	Ohio.
273	<b>excisa</b> Lea.	Alabama.
	( <i>Schizostoma</i> ) Lea.	
273	<b>excurata</b> Conrad.	Tennessee.
273	<b>exilis</b> Hald.	Ohio.
	var. <i>M. Kirglandiana</i> Lea.	Indiana.
273	<b>gracilis</b> Anthony.	Ohio.
273	<b>Haysiana</b> Lea.	Alabama.
273	<b>Hydei</b> Conrad.	Alabama.
274	<b>imprensa</b> Lea.	Alabama.
274	<b>incisa</b> Lea.	Alabama.
	<i>Anculotus incisus</i> Lea.	
274	<b>interrupta</b> Hald.	Tennessee.
274	<b>Jayana</b> Lea.	Tennessee.
274	<b>laeta</b> Jay.	Alabama.
	var. <i>M. robusta</i> Lea.	Coosa river.
274	<b>laqueata</b> Say.	Tennessee.
274	<b>Le Contiana</b> Lea.	Georgia.
274	<b>lima</b> Conrad.	Alabama.
274	<b>livescens</b> Menke.	Lake Erie.
	var. <i>M. Niagarensis</i> Lea.	Niagara.
274	<b>multilineata</b> Say.	Virginia.
	<i>M. Virginica?</i> Say.	
274	<b>nassula</b> Conrad.	Alabama.
274	<b>nupera</b> Say.	Indiana.
	<i>Melanopsis semigranulosa</i> .	
274	<b>occidentalis</b> Lea.	Ohio.
274	<b>olivula</b> Conrad.	Alabama.
274	<b>Pagoda</b> Lea.	Tuscaloosa.
	( <i>Schizostoma</i> ) Lea.	
274	<b>perfusca</b> Lea.	Tennessee.
274	<b>plicatula</b> Lea.	Tennessee.
274	<b>plicifera</b> Lea.	Wahlamat river.
274	<b>prasinata</b> Conrad.	Alabama.
274	<b>proxima</b> Say.	South Carolina.
	var. <i>M. carinata</i> Rav.	North Carolina.
274	<b>regularis</b> Lea.	Tennessee.
274	<b>Rogerii</b> Conrad.	Alabama.



Page.	Name.	Locality.
274	<b>Melania salebrosa</b> Conrad.	Tennessee.
274	<i>Sayii</i> Ward.	Ohio.
275	<i>semicarinata</i> Say.	Ohio.
275	<i>simplex</i> Say.	Virginia.
275	<i>sordida</i> Lea.	Tennessee.
275	<i>striatula</i> Lea.	Tennessee.
275	<i>Stygia</i> Say.	Cumberland river.
275	<i>subularis</i> Lea.	Niagara.
275	<i>suturalis</i> Hald.	Ohio.
275	<i>symmetrica</i> Hald.	Virginia.
275	<i>Taitiana</i> Lea.	Alabama.
275	<i>teres</i> Lea.	Tennessee.
275	<i>Troostiana</i> Lea.	Tennessee.
275	<i>tuberculata</i> Lea.	Tennessee.
275	<i>uncialis</i> Hald.	Tennessee.
275	<i>undulata</i> Say.	Ohio.
275	<i>varicosa</i> Ward.	Ohio.
275	<i>venusta</i> Lea.	Tennessee.
275	<i>Virginica</i> Say.	Virginia.
276	<b>Anculotus angulatus</b> Conrad.	Alabama.
276	<i>carinatus</i> De Kay.	Lake Champlain.
276	<i>crassus</i> Hald.	Tennessee.
276	<i>dissimilis</i> Say.	Pittsburg.
	<i>Paludina dissimilis</i> Say.	
276	<i>geniculatus</i> Hald.	East Tennessee.
	<i>Lithasia geniculata</i> Hald.	
276	<i>integer</i> Say.	Ohio.
	var. <i>A. concolor</i> Anthony.	Indiana.
276	<i>Kirtlandianus</i> Anthony.	Ohio.
276	<i>monodontoides</i> Conrad.	Virginia.
	var. <i>A. dentatus</i> Couth.	Potomac river.
276	<i>nigrescens</i> Conrad.	Maryland.
276	<i>obovatus</i> Say.	Alabama.
	<i>Melania obovata</i> Say.	
276	<i>pictus</i> Conrad.	Alabama.
276	<i>plicatus</i> Conrad.	Alabama.
276	<i>prærosus</i> Say.	Ohio.
	var. <i>A. virgatus</i> Lea.	Tennessee.
276	<i>rubiginosus</i> Lea.	Alabama.
276	<i>subglobosus</i> Say.	Virginia.
	<i>Melania subglobosus</i> Say.	
276	<i>tseniatu</i> s Conrad.	Alabama.
276	<i>trilineatus</i> Say.	Falls of Ohio.
	var. <i>A. costatus</i> Anthony.	Ohio river.

Page.	Name.	Locality.
277	<i>Io fusiformis</i> Lea.	Tennessee.
277	<i>spinosa</i> Lea.	Tennessee.
<b>Family Peristomata.</b>		
278	<i>Valvata pupoidea</i> Gould.	Boston.
278	<i>sincera</i> Say.	Lake Champlain.
278	<i>tricarinata</i> Say.	New York.
	var. <i>V. unicarinata</i> De Kay.	Boston.
	<i>carinata</i> Sowerby.	
278	<i>Amnicola attenuata</i> Hald.	Virginia.
278	<i>Cincinnatiensis</i> Lea.	Ohio.
	<i>Cyclostoma Cincinnatiense.</i>	
278	<i>elongata.</i>	Virginia.
278	<i>grana</i> Say.	Ohio.
	<i>Paludina grana</i> Say.	
278	<i>isogona</i> Say.	Ohio.
	<i>Melania isogona</i> Say.	
278	<i>lapidaria</i> Say.	Ohio.
	<i>Cyclostoma lapidaria</i> Say.	
278	<i>limosa</i> Say.	Ohio.
	<i>Paludina limosa</i> Say.	
278	<i>lustrica</i> Say.	Vermont.
	<i>Paludina lustrica</i> Say.	
278	<i>pallida</i> Hald.	Vermont.
278	<i>porata</i> Say.	Ohio.
	<i>Paludina porata</i> Say.	
278	<i>Sayana</i> Anthony.	Ohio.
279	<i>Paludina altalis</i> Rav.	Santee canal.
279	<i>angulata</i> Lea.	Alabama.
279	<i>Coosaensis</i> Lea.	Alabama.
279	<i>cyclostomatiformis</i> Lea.	Alabama.
279	<i>decisa</i> Say.	New York, Ohio.
279	<i>genicula</i> Conrad.	Georgia.
280	<i>Georgiana</i> Lea.	Georgia.
280	<i>heterostropha</i> Anthony.	Ohio.
280	<i>integra</i> Say.	Ohio.
280	<i>intertexta</i> Say.	Louisiana.
280	<i>magnifica</i> Conrad.	Georgia.
	var. <i>P. bimonilifera</i> Lea.	Alabama.
280	<i>Nuttalliana</i> Lea.	Wahlamat.
280	<i>ponderosa</i> Say.	Ohio, Alabama.
280	<i>subcarinata</i> Say.	Ohio.
281	<i>subglobosa</i> Say.	N. W. Territory.
281	<i>subpurpurea</i> Say.	Illinois.

Page.	Name.	Locality.
282	<b>Ampullaria depressa</b> Say. var. <i>A. Hopetonensis</i> Lea. <i>paludosa</i> Say.	East Florida. Georgia.
283	<b>scalaris</b> D'Orb.	Mexico.
283	<b>urceus</b> Müll. <i>Nerita urceus</i> Müll. var. <i>Bulimus urceus</i> Brug. <i>A. rugosa</i> Lam.	Mexico. Mississippi.
<b>Family Neritacea.</b>		
288	<b>Neritina reclinata</b> Say. <i>N. macrostoma</i> D'Orb. var. <i>N. Florida</i> Shuttl.	Mexico. Vera Cruz.
289	<b>Nerita Deshayesi</b> Recluz.	California.
291	<b>Natica canaliculata</b> Gould.	B'ks of Newfoundland.
291	<i>clausa</i> Sowerby. <i>N. borealis</i> Beek. var. <i>N. consolidata</i> Couth.	Melville Island. New York.
291	<b>cornea</b> Müll. <i>N. fragilis</i> Sab.	Greenland.
292	<b>duplicata</b> Say.	New York.
292	<b>flava</b> Gould. ( <i>Globulus</i> ) Sowerby.	B'ks of Newfoundland.
292	<b>Grœnlandica</b> Beck.	Greenland.
292	<b>heros</b> Say.	New York.
292	<b>immaculata</b> Totten.	Rhode Island.
292	<b>Lewisii</b> Gould.	Puget Sound.
293	<b>otis</b> Sowerby.	Mazatlan.
293	<b>pusilla</b> Say. <i>N. alba</i> Loven. var. <i>N. Grœnlandica</i> Beck.	New York.
293	<b>triseriata</b> Say.	New York.
<b>Family Velutinidæ.</b>		
294	<b>Velutina lævigata</b> Linn. <i>Helix lævigata</i> Linn. var. <i>V. capuloidea</i> Blain. <i>rupicola</i> Conrad.	Boston bay. Massachusetts.
	<i>Galericulum lævigatum</i> Brown. <i>Velutina plicaria</i> ?	Greenland.
294	<b>sonata</b> Gould.	Boston bay.
<b>Family Plicacea.</b>		
296	<b>Tornatella puncto-striata</b> Adams.	New York.

## Family Turbinacea.

Page.	Name.	Locality.
299	<b>Pyramis striatula</b> <i>Couth.</i>	Massachusetts.
299	<b>Cingula aculeus</b> <i>Gould.</i>	Boston.
299	<b>latior</b> <i>Mighels.</i>	Casco bay.
299	<b>minuta</b> <i>Totten.</i>	New Bedford.
	<i>Turbo minutus</i> <i>Totten.</i>	
299	<b>Odostomia exigua</b> <i>Couth.</i>	Boston.
	<i>Jaminia exigua</i> <i>Couth.</i>	
	var. <i>Rissoa rupestris</i> <i>Forbes.</i>	
	<i>Turitella bisuturalis?</i> <i>Say.</i>	
299	<b>fusca</b> <i>Adams.</i>	New Bedford.
	<i>Pyramis fusca</i> <i>Adams.</i>	
	var. <i>Jaminia fusca</i> <i>Adams.</i>	
299	<b>seminuda</b> <i>Adams.</i>	Cape Cod.
	<i>Jaminia seminuda</i> <i>Adams.</i>	
299	<b>trifida</b> <i>Totten.</i>	Rhode Island.
	<i>Acteon trifidus</i> <i>Totten.</i>	
300	<b>Scalaria Grœnlandica</b> <i>Chemn.</i>	B'ks of Newfoundland.
	<i>Turbo clathrus Grœnlandicus.</i>	
	var. <i>S. planicosta</i> <i>Klener.</i>	Massachusetts bay.
	<i>subulata</i> <i>Couth.</i>	Greenland.
300	<b>hexagona</b> <i>Sowerby.</i>	Acapulco.
300	<b>lineata</b> <i>Say.</i>	New York.
300	<b>multistriata</b> <i>Say.</i>	South Carolina.
	<i>S. pulchella</i> <i>Bivon.</i>	
300	<b>Nov.-Angliæ</b> <i>Couth.</i>	Cape Ann.
302	<b>Solarium placentale</b> <i>Hinds.</i>	California.
305	<b>Trochus moestus</b> <i>Jonas.</i>	California.
307	<b>undosus</b> <i>Wood.</i>	California.
	var. <i>T. Californianus</i> <i>Nutt.</i>	
307	<b>unguis</b> <i>Wood.</i>	Acapulco.
	<i>T. digitatus</i> <i>Desh.</i>	
307	<b>Margarita arctica</b> <i>Leach.</i>	Plymouth, Mass.
	<i>Turbo inflatus</i> <i>Totten.</i>	
307	<b>argentata</b> <i>Gould.</i>	Cape Ann.
307	<b>cinerea</b> <i>Couth.</i>	Massachusetts bay.
	<i>Turbo cinereus</i> <i>Couth.</i>	
307	<b>expansa</b> <i>Sowerby.</i>	Arctic Sea.
307	<b>glabrata.</b>	Greenland.
307	<b>glacialis</b> <i>Möll.</i>	Greenland.
307	<b>Grœnlandica</b> <i>Beck.</i>	Greenland.
307	<b>obscura</b> <i>Couth.</i>	Massachusetts bay.
	<i>Turbo obscurus</i> <i>Couth.</i>	
307	<b>septentrionalis.</b>	Greenland.

Page.	Name.	Locality.
307	<b>Margarita undulata</b> Sowerby. <i>Turbo incarnatus</i> Coult.	Massachusetts bay.
308	<b>Turbo Fokkesii</b> Jonas. <i>Marmorostoma planospira</i> Jay. var. <i>Turbo fluctuatus</i> Reeve.	Mazatlan. Columbia.
310	<b>Littorina irrorata</b> Say. <i>Phasianella sulcata</i> Lam.	New York, Florida.
311	<b>palliata</b> Say. <i>Turbo palliatus</i> Say.	New York.
311	<b>Sitchana</b> Phil.	Isl. Sitoha.
311	<b>tenebrosa</b> Mont. <i>Turbo vestitus</i> Say.	New York.
311	<b>Lacuna divaricata.</b>	Greenland.
311	<b>fusca</b> Binney. var. <i>Lacuna vineta?</i> Mont.	Boston.
311	<b>Neritoidea</b> Gould.	Boston bay.
312	<b>vinota</b> Mont. (var.) <i>L. pertusa</i> Conrad. var. <i>Turbo quadrifasciatus</i> Flem.	Plymouth, Mass.
313	<b>Turritella erosa</b> Coult.	Boston bay.
313	<b>interrupta</b> Totten.	Rhode Island.
313	<b>polaris</b> Beck.	Greenland.
313	<b>reticulata</b> Mighels.	Gulf of St. Lawrence.

#### Family Canalifera.

314	<b>Cerithium Emersonii</b> Adams.	New Bedford.
314	<b>ferrugineum</b> Say.	South Carolina.
314	<b>Greenii</b> Adams.	Cape Cod.
315	<b>muscarum</b> Say. <i>C. stercus-muscarum.</i>	Florida.
315	<b>nigro-cinctum</b> Adams.	New Bedford.
316	<b>Sayi</b> Menke. <i>C. reticulatum</i> Totten.	New Bedford.
316	<b>terebrale</b> Adams.	New Bedford.
318	<b>Turbinella scolymus</b> Gmelin (var.) ( <i>Latirus</i> ) Montf.	Gulf of Mexico.
319	<b>Cancellaria Couthouyi</b> Jay. <i>C. buccinoides</i> Coult.	Massachusetts bay.
320	<b>urceolata</b> Hinds.	California.
320	<b>viridula</b> Fab. <i>Defrancia viridula.</i>	Greenland.
320	<b>Fasciolaria ligata</b> Mighels.	Gulf of St. Lawrence.
321	<b>tulipa</b> Linn. (var.)	Gulf of Mexico.

Page.	Name.	Locality.
321	<b>Fusus carinatus</b> Pennant. <i>Murex carinatus</i> Pennant. var. <i>Murex fornicatus</i> Dillwyn.	Greenland. North Sea.
321	<b>corneus</b> Linn. (var.) <i>Murex corneus</i> Linn.	B'ks of Newfoundland.
321	<b>corona</b> Gmelin. <i>Murex corona</i> Gmelin.	Gulf of Mexico.
321	<b>decemcostatus</b> Say.	Massachusetts bay.
322	<b>Dupetit-Thouarsii</b> Kiener.	California.
322	<b>harpularius</b> Couth.	Massachusetts bay.
322	<b>muriceatus</b> Mont. <i>Murex muricatus</i> Mont.	Massachusetts bay.
322	<b>scalariformis</b> Gould.	B'ks of Newfoundland.
323	<b>tornatus</b> Gould.	B'ks of Newfoundland.
323	<b>turriculus</b> Mont. <i>Murex turriculus</i> Mont. var. <i>Pleurotoma turricula</i> Reeve. <i>Murex angulatus</i> Donovan.	B'ks of Newfoundland.
323	<b>ventricosus</b> Gray. <i>F. ocelliferus</i> Encycl. M.	B'ks of Newfoundland.
323	<b>Trophon clathratum</b> Fab. <i>Tritonium clathratum</i> Fab.	Greenland.
323	<b>craticulatum</b> Fab. <i>Tritonium craticulatum</i> Fab. var. <i>Trophon Fabricii</i> Beck.	B'ks of Newfoundland.
323	<b>Defrancia cinerea</b> Möll.	Greenland.
324	<b>exarata</b> Möll.	Greenland.
324	<b>livida</b> Möll.	Greenland.
324	<b>reticulata</b> Möll.	Greenland.
324	<b>VahlII</b> Beck.	Greenland.
324	<b>viridula</b> Fab. <i>Tritonium viridula</i> Fab.	Greenland.
324	<b>Daphnella decussata</b> Couth.	Maine.
326	<b>Pleurotoma funiculata</b> Valenc.	Gulf of California.
327	<b>plicosa</b> Adams. <i>P. plicata</i> Adams.	New Bedford.
328	<b>violacea</b> Adams.	Maine.
328	<b>Pyrula aruana</b> Linn. <i>P. carica</i> Lam. var. <i>Murex aruanus</i> Linn.	New York. South Carolina.
328	<b>canaliculata</b> Linn. <i>Murex canaliculatus</i> Linn. var. <i>P. spirata</i> Kien.	New York. Rye, Vineyard.
329	<b>perversa</b> Linn. <i>Murex perversus</i> Linn.	Key West.

Page.	Name.	Locality.
329	<b><i>Pyrula pyrum</i> Dillwyn.</b> <i>P. spirata</i> Lam. var. <i>Fulgur pyruloides</i> Say.	Florida.
330	<b><i>Murex bicolor</i> Val.</b> <i>M. erythrostomus</i> Swains. var. <i>M. regius</i> Schub. et Wagn.	Gulf of California. Masatlan.
330	<b><i>brassica</i> Lam.</b> <i>M. ducalis</i> Brod.	Gulf Calif'a, Masatlan.
330	<b><i>chrysostomus</i> Gray.</b>	Gulf of Mexico.
331	<b><i>elongatus</i> Lam.</b>	Gulf of Mexico.
331	<b><i>follatus</i> Gmelin.</b>	California.
331	<b><i>imperialis</i> Swain. (var.)</b>	California.
332	<b><i>Nuttallii</i> Conrad.</b> <i>Cerostoma Nuttallii</i> Conrad.	California.
333	<b><i>spinocostata</i> Val.</b>	Gulf of Mexico.
334	<b><i>trilineatus</i> Reeve.</b>	Gulf of Mexico.
334	<b><i>Ficula decussata</i> Wood.</b>	San Blas.
335	<b><i>papyratia</i> Say.</b> <i>Pyrula papyratia</i> Say.	Florida.
335	<b><i>Ranella caudata</i> Say.</b>	New York.
336	<b><i>triquetra</i> Reeve.</b>	California.
<b>Family Alata.</b>		
339	<b><i>Aporrhais occidentalis</i> Beck.</b> <i>A. occidentalis</i> Sowerby.	Grand Bank.
342	<b><i>Strombus galeatus</i> Wood. (var.)</b>	California.
342	<b><i>gracillior</i> Wood.</b>	California.
<b>Family Purpurifera.</b>		
346	<b><i>Ricinula dumosa</i> Conrad.</b> <i>R. porphyrostoma</i> Reeve.	California.
347	<b><i>Columbella avara</i> Say.</b>	New York.
348	<b><i>carinata</i> Hinds.</b>	California.
348	<b><i>hæmastoma</i> Sowerby (var.)</b>	California.
349	<b><i>lunata</i> Say.</b> <i>Nassa lunata</i> Say.	Massachusetts.
351	<b><i>Purpura aperta</i> Blain. (var.)</b> <i>P. macrostoma</i> Conrad.	California.
352	<b><i>emarginata</i> Desh.</b> <i>P. Conradi</i> Nutt.	California.
352	<b><i>Floridana</i> Conrad.</b>	Tampa bay.
352	<b><i>harpa</i> Conrad.</b>	California.
353	<b><i>lapillus</i> Linn. (var.)</b> <i>Buccinum filosum</i> Gmelin. var. <i>P. imbricata</i> Lam.	Massachusetts. Maine.

Page.	Name.	Locality.
354	<b>Monoceros brevidens</b> Conrad.	California.
355	<b>lugubre</b> Sowerby. <i>M. cymatum</i> Sowerby.	California.
355	<b>punctatum</b> Gray. <i>Purpura lapilloides</i> Conrad.	Santa Barbara.
355	<b>unicarinatum</b> Sowb. (var.) <i>Purpura engonata</i> Conrad.	Santa Barbara.
356	<b>Harpa orenata</b> Swain. (var.) <i>H. testudinalis</i> . var. <i>H. Rivoliana</i> Less. <i>Mexicana</i> .	Mexico.
358	<b>Trichotropis borealis</b> Sowerby. <i>T. costellatus</i> Couth.	Newfoundland.
358	<b>Bullia armata</b> Gray. <i>Buccinum moniliferum</i> Kien.	Newfoundland.
359	<b>Buccinum calcareum</b> .	Newfoundland.
359	<b>ciliatum</b> Fabr. <i>Tritonium ciliatum</i> Fabr. var. <i>B. ventricosum</i> Kien.	Newfoundland.
360	<b>cyaneum</b> Beck.	Greenland.
360	<b>Donovani</b> Gray.	Newfoundland.
361	<b>Molleri</b> Reeve.	Greenland.
362	<b>plicosum</b> Menke. <i>Fusus cinereus</i> Say.	New York.
362	<b>pristis</b> Desh. <i>B. serratum</i> Kien. var. <i>B. Northii</i> .	California.
362	<b>pusio</b> Linn. <i>B. plumatum</i> Gmelin. var. <i>Fusus pusio</i> Encycl. <i>articulatus</i> Lam.	California.
363	<b>undatum</b> Linn. (var.) <i>Tritonium undatum</i> Müll. <i>B. striatum</i> Pennant. var. <i>B. solutum</i> Dillwyn. <i>Cochlea marina</i> Belon.	Grand Banks. Massachusetts. Cape Cod.
364	<b>Nassa obsoleta</b> Say. <i>Buccinum oliviforme</i> Kien.	New York.
365	<b>trivittata</b> Say.	New York.
365	<b>vibex</b> Say.	South Carolina.
369	<b>Oliva litterata</b> Lam.	Florida.
369	<b>mutica</b> Say.	South Carolina.
370	<b>polpasta</b> Duclos.	California.
373	<b>Terebra rudis</b> Gray. <i>T. Petitii</i> Kiener.	South Carolina.



Page.	Name.	Locality.
373	<b>Terebra specillata</b> <i>Hinds.</i>	San Blas.
373	<i>variegata</i> <i>Gray.</i>	Gulf of California.
	<i>T. Africana</i> <i>Gray.</i>	
<b>Family Columellata.</b>		
374	<b>Marginella carnea</b> <i>Storer.</i>	Key West.
375	<i>Storeria</i> <i>Couth.</i>	Gulf of Mexico.
378	<b>Mitra Grœnlandica</b> <i>Gray.</i>	Greenland.
383	<b>Voluta Junonia</b> <i>Chemn.</i>	Gulf of Mexico.
<b>Family Convoluta.</b>		
387	<b>Cyprœa albuginosa</b> <i>Mawe.</i>	California.
387	<i>Arabica</i> <i>Linn. (var.)</i>	California.
	<i>C. eglantina</i> <i>Duclos, &amp;c. &amp;c.</i>	
387	<i>Californica</i> <i>Gray.</i>	California.
	<i>Trivia Californica</i> <i>Gray.</i>	
391	<b>onyx</b> <i>Linn.</i>	San Diego, California.
	<i>C. adusta</i> <i>Lam.</i>	
	<i>nymphæ</i> <i>Duclos.</i>	
	<i>pulla</i> <i>Gmelin.</i>	
392	<b>Solandri</b> <i>Gray.</i>	California.
394	<b>Ovulum avena</b> <i>Sowerby.</i>	Mexico.
	( <i>Cyprœada.</i> )	
395	<i>uniplicatum</i> <i>Sowerby.</i>	South Carolina.
400	<b>Conus interruptus</b> <i>Brod.</i>	Mazatlan.
404	<i>purpurascens</i> <i>Brod.</i>	San Blas.
405	<i>spurius</i> <i>Gmel. (var.)</i>	Mexico.
	<i>C. leoninus</i> <i>Brug.</i>	
	<i>Proteus</i> <i>Brug.</i>	
	<i>inscriptus</i> <i>Brug.</i>	
	<i>bicolor</i> <i>Sowerby.</i>	
	(Errata.) <i>Natica Grœnlandica</i> <i>Beck = N. pusilla</i> <i>Say.</i>	

## SUPPLEMENT.

465	<b>Cyclas aurea</b> <i>Prime.</i>	Ohio.
465	<i>cœrula</i> <i>Prime.</i>	Massachusetts.
465	<i>fabalis</i> <i>Prime.</i>	Lake Superior.
465	<i>flava</i> <i>Prime.</i>	Lake Superior.
465	<i>Jayensis</i> <i>Prime.</i>	Lake Superior.
465	<i>pellucida</i> <i>Prime.</i>	Vermont.
	<i>C. calyculata</i> <i>Adams.</i>	
466	<i>securis</i> <i>Prime.</i>	Cambridge.
466	<i>solidula</i> <i>Prime.</i>	Ohio.
466	<i>transversa</i> <i>Say.</i>	Ohio.
466	<i>truncata</i> <i>Lindsiey.</i>	Connecticut.

Page.	Name.	Locality.
466	<b>Platidium</b> <i>abditum</i> Hald.	Pennsylvania.
466	<i>altile</i> Anthony.	Ohio.
466	<i>compressum</i> Prime.	Massachusetts.
466	<i>variable</i> Prime.	Massachusetts.
466	<i>ventricosum</i> Prime.	Massachusetts.
466	<b>Venus</b> <i>astartoides</i> Beck.	Greenland.
466	<i>Manhattanensis</i> Prime.	New York.
468	<b>Dentalium</b> <i>striolatum</i> Stimpson.	Maine.
469	<b>Bulla</b> <i>amygdalus</i> List.	Gulf of Mexico.
	<i>B. striata</i> Brug.	
469	<i>canaliculata</i> Say.	New Bedford.
	Subgenus <i>Tornatina</i> .	
	var. <i>Bullina canaliculata</i> Say.	
	<i>Volvaria canaliculata</i> Say.	
469	<i>corticata</i> Möll.	Greenland.
	Subgenus <i>Cylichna</i> .	
469	<i>debilis</i> Gould.	Boston bay.
	Subgenus <i>Aplustrum</i> .	
470	<i>formosa</i> Stimpson.	Massachusetts.
	<i>Philine formosa</i> Stimpson.	
470	<b>Gouldii</b> Couth.	Boston bay.
	Subgenus <i>Aplustrum</i> .	
470	<i>insculpta</i> Totten.	Rye, New York.
	Subgenus <i>Haminea</i> .	
	<i>B. solitaria</i> Say.	Maryland.
	var. <i>B. Reinhardi</i> Holb.	North America.
470	<b>Ugnaria</b> Linn. (var.)	B'ks of Newfoundland.
	Subgenus <i>Scaphander</i> .	
470	<i>nebulosa</i> Gould (var.)	Gulf of California.
470	<i>obstriota</i> Gould.	Boston bay.
	Subgenus <i>Tornatina</i> .	
470	<i>oryza</i> Totten.	Massachusetts.
	Subgenus <i>Haminea</i> .	
470	<i>pertenulis</i> Michels.	Cape Cod.
471	<i>triticea</i> Couth.	Boston bay.
	Subgenus <i>Cylichna</i> .	
471	<i>virescens</i> Sowerby.	California.
	Subgenus <i>Haminea</i> .	
471	<b>Helix</b> <i>exigua</i> Stimpson.	Boston.
473	<b>Succinea</b> <i>obliqua</i> Say.	New York.
473	<i>Texasiana</i> Pfr.	Galveston.
474	<b>Planorbis</b> <i>multivolvis</i> Case.	Michigan.
474	<b>Physa</b> <i>vinosa</i> Gould.	Lake Superior.
474	<b>Melania</b> <i>brevi-spira</i> Anthony.	Ohio.
474	<i>monilifera</i> Anthony.	Georgia.
475	<b>Odostomia</b> <i>insculpta</i> De Kay.	New York bay.

Page.	Name.	Locality.
475	<i>Turritella acicula</i> Stimpson.	Cape Cod.
476	<i>Pleurotoma cerinum</i> Kurtz, Stimpson.	New Bedford.
476	<i>Murex Belcheri</i> Hinds.	San Diego.
476	<i>monoceros</i> Sowb.= <i>M. Nuttalli</i> Conr.	
478	<i>Spirialia Gouldii</i> Stimpson.	Coast of U. States.

[In the earlier editions of the Catalogue occur the following names. Considerable discrepancy also exists regarding synonymy, owing principally to the improvements in classification. These earlier editions, not being perfectly represented in the Bibliography, should be consulted by the student.—W. G. B.]

(First Edition, vide p. 46.)

Page.	Name.	Locality.
8	<i>Mya hyalina.</i>	Montauk point, N. Y.
8	<i>Erycina cardioides.</i>	Florida.
9	<i>Pandora rostrata.</i>	New Jersey.
10	<i>Lucina divaricata.</i>	Rhode Island.
11	<i>Cyclas cornea.</i>	New Jersey.
11	<i>Cytherea Florida.</i>	Florida.
12	<i>concentrica.</i>	South Carolina.
15	<i>Unio formosus.</i>	Ohio.
16	<i>soleniformis.</i>	Ohio.
16	<i>ebenus.</i>	Alabama.
16	<i>asper.</i>	Louisiana.
16	<i>lens.</i>	Ohio.
16	<i>anodontoides.</i>	Ohio.
16	<i>pustulosus.</i>	Ohio.
16	<i>pustulatus.</i>	Illinois.
16	<i>oriens.</i>	Ohio.
16	<i>brevidens.</i>	Ohio.
16	<i>asperrimus.</i>	Ohio.
16	<i>multiplicatus.</i>	Ohio.
16	<i>rubiginosus.</i>	Ohio.
16	<i>sulcatus.</i>	Ohio.
16	<i>planulatus.</i>	Ohio.
16	<i>circulus.</i>	Ohio.
16	<i>multiradiatus.</i>	Ohio.
16	<i>occidens.</i>	Illinois.
16	<i>securis.</i>	Ohio.
16	<i>iris.</i>	Ohio.
16	<i>zigzag.</i>	Ohio.
16	<i>patulus.</i>	Ohio.
16	<i>calceolus.</i>	Ohio.

Page.	Name.	Locality.
16	<b>Unio donaciformis.</b>	Ohio.
16	<i>ellipsia.</i>	Ohio.
16	<i>irroratus.</i>	Ohio.
16	<i>mytilloides.</i>	Ohio.
	<i>U. undatus</i> Barnes.	
16	<i>cuneiformis.</i>	Ohio.
17	<i>modioliformis.</i>	Ohio.
17	<i>perdix.</i>	Tennessee.
17	<i>varicosus.</i>	Ohio.
17	<i>tenerus</i> (Rav. ed. 2.)	Cooper river, S. C.
17	<i>ridibundus.</i>	Tennessee.
17	<i>torsus.</i>	Ohio.
17	<i>scalenius.</i>	Ohio.
17	<i>Æscopus.</i>	Ohio.
17	<i>cornutus.</i>	Ohio.
17	<i>cuneatus.</i>	Ohio.
17	<i>ventricosus.</i>	Illinois.
17	<i>triangularis.</i>	Ohio.
17	<i>foliatus.</i>	Ohio.
18	<i>undulatus.</i>	Ohio.
18	<b>Symphynota inflata.</b>	Tennessee.
18	<i>lævissima.</i>	Ohio.
18	<i>alata.</i>	Ohio.
18	<i>complanata.</i>	Ohio.
18	<i>compressa.</i>	Ohio.
18	<i>gracilis.</i>	Ohio.
18	<i>tenuissimus.</i>	Ohio.
18	<b>Alasmodonta confragosa.</b>	Illinois.
18	<i>rugosa.</i>	Ohio.
18	<i>complanata.</i>	Kentucky.
18	<i>marginata.</i>	Ohio.
18	<i>undulata.</i>	New Jersey.
18	<b>Anodonta fragilis.</b>	Ohio.
19	<b>Modiola demissus.</b>	Rhode Island.
20	<b>Pinna seminuda.</b>	South Carolina.
21	<b>Hinnites Poulsoni.</b>	California.
22	<b>Pecten gigantea.</b>	California.
26	<b>Helix aspersa.</b>	Charleston, S. C.
26	<i>Richardi.</i>	Tennessee.
28	<i>fraterna.</i>	Pennsylvania.
29	<b>Carocolla spinosa.</b>	Alabama.
30	<b>Bulimus undatus.</b>	Florida.
31	<i>mutilatus.</i>	South Carolina.
31	<b>Achatina vexillum.</b>	Florida.
31	<i>virginea.</i>	Florida.

Page.	Name.	Locality.
32	<b>Achatina glans.</b>	South Carolina.
33	<b>Physa gyrina.</b>	South Carolina.
33	<b>Melania carinata.</b>	Yadkin river, N. C.
34	<b>Ampullaria Hopetonensis.</b>	Georgia.
38	<b>Cerithium dislocatum.</b>	South Carolina.
39	<b>Fasciolaria distans.</b>	South Carolina.
40	<b>Fusus cinereus.</b>	South Carolina.
46	<b>Buccinum serratum.</b>	California.
53	<b>Oliva Sayana.</b>	South Carolina.

(Second Edition, vide p. 52.)

8	<b>Solen constrictus</b> Lam.	Rhode Island.
8	<b>rostratus</b> Lam.	Maine.
9	<b>Thracia corbuloides</b> Desh.	Rhode Island.
10	<b>Gnathodon truncatus.</b>	Florida.
12	<b>Tellina versicolor</b> Cozzens.	New York.
16	<b>Cardium fasciatum</b> Mont.	South Carolina.
19	<b>Unio arcæformis</b> Lea.	Tennessee.
20	<b>dehiscens</b> Say.	Ohio.
	<i>U. oriens</i> Lea.	
20	<b>elegans</b> Lea.	Ohio.
20	<b>gibbosus</b> Barnes.	
	<i>U. nasuta</i> Lam.	
20	<b>fabalis</b> Lea.	Ohio.
	<i>U. lapillus</i> Say.	
21	<b>heros</b> Say = <b>U. multiplicatus</b> Lea.	
21	<b>perplexus</b> Lea.	Ohio.
21	<b>phaseolus</b> Hildreth.	Ohio.
	<i>U. planulatus</i> Lea.	
21	<b>pyramidatus</b> Lea.	Ohio.
22	<b>sulcatus</b> Lea.	Tennessee.
	<i>U. ridibundus</i> Say.	
22	<b>rugosus</b> Barnes.	Ohio.
	<i>U. asperrimus</i> Lea.	
22	<b>orbiculatus</b> Hildreth.	Tennessee.
	<i>U. crassus</i> Conrad.	
	<i>abruptus</i> Say.	
22	<b>crassidens</b> (var. a) Lam. = <b>U. trapezoides</b> Lea.	
22	<b>trigonus</b> Lea.	Ohio.
22	<b>formosus</b> Lea = <b>U. triangularis</b> Barnes.	
22	<b>undatus</b> Barnes = <b>U. obliquus</b> Lam.	
22	<b>undulatus</b> Barnes.	Ohio.
23	<b>elongata</b> Lam. = <b>Alasmodonta margaritifera</b> Say.	
23	<b>Alasmodonta edentula</b> Say.	Ohio.
23	<b>Anodonta areolata</b> Sw.	Western rivers.

Page.	Name.	Locality.
23	<b>Anodonta corpulenta</b> Cooper.	Upper Miss. river.
23	<i>plana</i> Lea.	Illinois.
26	<b>Pecten concentricus</b> Say.	New York.
27	<b>Ostrea Canadensis</b> Lam.	New York.
29	<b>Clio borealis</b> Linn.	New York.
30	<b>Patella alveus</b> Conrad.	Plymouth, Mass.
31	<b>Crepidula unguiformis</b> Lam.	New York.
33	<b>Helix Bonplandii</b> Lam.	Tennessee.
34	<i>diodonta</i> Zyl.	Ohio.
34	<i>exoleta</i> Say.	Ohio.
34	<i>glaphyra</i> Say.	Ohio.
36	<i>minuta</i> Say.	Ohio.
36	<i>personata</i> Lam.	Ohio.
38	<b>Helicina picta</b> .	Mexico.
38	<b>Pupa exigua</b> Say.	Ohio.
39	<b>Clausilia exesa</b> Spir.	Mexico.
41	<b>Bulimus multifasciatus</b> Lam.	Mexico.
41	<i>princeps</i> Brod	Mexico.
43	<b>Melampus bidentalis</b> Say.	New York.
43	<i>borealis</i> Conrad.	Rhode Island.
43	<b>Cyclostoma lapidaria</b> Say.	Ohio.
43	<i>marginata</i> Say.	Ohio.
44	<b>Physa elliptica</b> Lea.	Ohio.
45	<b>Lymnæa stagnalis</b> Lam.	Ohio.
45	<b>Melania annulata</b> Conrad.	Alabama.
45	<i>isogonia</i> Say.	Ohio.
45	<i>lineata</i> Say.	Ohio.
45	<i>mutilata</i> Say.	South Carolina.
45	<i>obovata</i> Say.	Ohio.
45	<i>olivata</i> Conrad.	Alabama.
46	<b>Paludina dissimilis</b> Say.	Ohio.
46	<i>grana</i> Say.	Ohio.
46	<i>limosa</i> Say.	Ohio.
47	<b>Neritina latissima</b> Brod.	Mexico.
49	<b>Actæon trifidus</b> Totten.	Rhode Island.
51	<b>Turbo inflatus</b> Totten.	Plymouth, Mass.
52	<i>minutus</i> Totten	Cape Cod.
53	<b>Cerithium reticulatum</b> Totten.	Rhode Island.
74	<b>Loligo Pealeii</b> Lesueur.	New York.
75	<b>Unio camelus</b> Lea.	Ohio.

(Third Edition, vide p. 64.)

12	<b>Saxicava rhomboides</b> Desh.	Massachusetts bay.
14	<b>Tellina rosea</b> Lam.	California.
15	<b>Lucina bella</b> Conrad.	Upper California.

Page.	Name.	Locality.
17	<b>Cytherea callosa</b> <i>Conrad.</i>	Upper California.
19	<b>Venus staminea</b> <i>Conrad.</i>	Upper California.
23	<b>Unio camelus</b> <i>Lea.</i>	Ohio.
23	<b>Cumberlandicus</b> <i>Lea.</i>	Tennessee.
24	<b>cuprinus</b> <i>Lea.</i>	Mexico.
24	<b>lævissimus</b> <i>Lea.</i>	Ohio.
24	<b>lachrymosus</b> <i>Lea.</i>	Ohio.
25	<b>orbiculatus</b> <i>Hildreth.</i>	Indiana.
25	<b>pileus</b> <i>Lea.</i>	Ohio.
25	<b>Schoolcraftensis</b> <i>Lea.</i>	Green bay.
25	<b>subovatus</b> <i>Lea.</i>	Ohio.
25	<b>tenuissimus</b> <i>Lea.</i>	Ohio.
28	<b>Anodonta pavonia</b> <i>Lea.</i>	Ohio.
30	<b>Modiola papuana</b> <i>Lam.</i>	New York.
30	<b>Mytilus borealis</b> <i>Lam.</i>	New York.
31	<b>Perna Californica</b> <i>Conrad.</i>	California.
33	<b>Pecten tumidus</b> <i>Brod.</i>	Upper California.
34	<b>Anomia patellaris</b> <i>Lam.</i>	New York.
36	<b>Helix gymnota</b> <i>Couth.</i>	Charles river.
33	<b>salmonacea</b> <i>Couth.</i>	Massachusetts.
37	<b>Tritonia Reynoldsii</b> <i>Couth.</i>	Charles river.
37	<b>Chiton Californicus</b> <i>Nutt.</i>	Upper California.
37	<b>incarnatus</b> <i>Nutt.</i>	Upper California.
37	<b>pectinatus</b> <i>Gould.</i>	New York.
37	<b>textilis</b> <i>Conrad.</i>	Upper California.
37	<b>Patella amena</b> <i>Say.</i>	New York.
38	<b>plicata</b> <i>Nutt.</i>	Upper California.
38	<b>scabra</b> <i>Nutt.</i>	Upper California.
40	<b>Fissurella ornata</b> <i>Nutt.</i>	Upper California.
40	<b>pica</b> <i>Nutt.</i>	Upper California.
41	<b>Crepidula rugosa</b> <i>Nutt.</i>	Upper California.
41	<b>squamosa</b> <i>Brod.</i>	Upper California.
41	<b>Bulla Californica</b> <i>Nutt.</i>	Upper California.
46	<b>Helix denotata</b> <i>Fer.</i>	Ohio.
	<i>H. palliata</i> <i>Say.</i>	
47	<b>Leati</b> <i>Ward.</i>	Ohio.
47	<b>linguifera</b> <i>Fer.</i>	Ohio.
	<i>H. appressa</i> <i>Say.</i>	
49	<b>planorbula</b> <i>Lam.</i>	Florida.
	<i>H. septemvolva</i> <i>Say.</i>	
49	<b>scabra</b> <i>Lam.</i>	New York.
	<i>H. alternata</i> <i>Say.</i>	
50	<b>subglobosa</b> <i>Binney.</i>	Massachusetts.
51	<b>Wardiana</b> <i>Lea.</i>	Ohio.
51	<b>saleta</b> <i>Say.</i>	Ohio.

Page.	Name.	Locality.
58	<b>Achatina striata</b> <i>Desh.</i>	Florida.
59	<b>Auricula cornea</b> <i>Desh.</i>	New York.
61	<b>Physa aurea</b> <i>Lea.</i>	Virginia.
62	<b>Melania subglobosa</b> <i>Say.</i>	Ohio.
62	<i>trilineata</i> <i>Say.</i>	Ohio.
63	<b>Anculotus dentatus</b> <i>Conrad.</i>	Potomac.
64	<b>Paludina porata</b> <i>Say.</i>	Ohio.
68	<b>Natica variolaris.</b>	California.
68	<b>Galericulum lævigatum</b> <i>Brown.</i>	Massachusetts bay.
68	<i>ovatum</i> <i>Brown.</i>	Massachusetts bay.
69	<b>Pyramidella terebellum</b> <i>Lam.</i>	South Carolina.
69	<b>Scalaria communis</b> <i>Lam.</i>	South Carolina, &c.
70	<i>subulata</i> <i>Couth.</i>	Massachusetts bay.
70	<b>Trochus Californicus</b> <i>Nutt.</i>	Upper California.
70	<i>castaneus</i> <i>Nutt.</i>	Upper California.
72	<b>Monodonta fusca</b> <i>Nutt.</i>	Upper California.
72	<i>marginata</i> <i>Nutt.</i>	Upper California.
72	<b>Turbo aculeus</b> <i>Gould.</i>	Massachusetts bay.
72	<i>cinereus</i> <i>Couth.</i>	Massachusetts bay.
72	<i>incarnatus</i> <i>Couth.</i>	Massachusetts bay.
72	<i>inflatus</i> <i>Totten.</i>	Plymouth.
72	<i>irroratus</i> <i>Say.</i>	New York.
73	<i>minutus</i> <i>Totten.</i>	Cape Cod.
73	<i>obligatus</i> <i>Say.</i>	Massachusetts.
73	<i>obscurus</i> <i>Couth.</i>	Massachusetts.
73	<i>pallidus</i> <i>Say.</i>	Massachusetts.
73	<i>pallida</i> <i>Nutt.</i>	Upper California.
73	<i>vestita</i> <i>Say.</i>	Massachusetts.
73	<b>Marmarostoma planospira</b> <i>Nutt.</i>	Upper California.
73	<b>Littorina lostoma</b> <i>Nutt.</i>	Upper California.
73	<i>maculata</i> <i>Nutt.</i>	Upper California.
73	<i>planaxis</i> <i>Nutt.</i>	Upper California.
74	<b>Phasianella inflexa</b> <i>Couth.</i>	Massachusetts bay.
77	<b>Cancellaria Couthouyi</b> <i>Jay.</i>	Massachusetts bay.
	<i>C. buccinoides</i> <i>Couth.</i>	
79	<b>Melongena occidentalis</b> <i>Nutt.</i>	California.
80	<b>Murex sexcostatus</b> <i>Brug.</i>	California.
84	<b>Purpura bezoar</b> <i>Blainv.</i>	California.
84	<i>chocolatum</i> <i>Ducloz.</i>	California.
85	<i>macrostoma</i> <i>Conrad.</i>	Sta. Barbara.
86	<b>Monoceros engonata</b> <i>Conrad.</i>	California.
	<i>Purpura spirata</i> <i>Blainv.</i>	
86	<i>lapilloides</i> <i>Nutt.</i>	California.
86	<i>plumbeum</i> <i>Kiener.</i>	California.
86	<i>punctulatum</i> <i>Gray.</i>	California.



Page.	Name.	Locality.
86	<i>Trichotropis costellatus</i> <i>Couth.</i>	Massachusetts bay.
87	<i>Buccinum Boysii</i> <i>Nutt.</i>	Upper California.
88	<i>Poulsoni</i> <i>Nutt.</i>	Upper California.
88	<i>serratum</i> <i>Dufr.</i>	California.
88	<i>trivittatum</i> <i>Say.</i>	New York.
89	<i>Terebra Petiti</i> <i>Kiener.</i>	South Carolina.
96	<i>Cypræa pustulata</i> <i>Lam.</i>	Mexico.
97	<i>Oliva biplicata</i> <i>Sowerby.</i>	California.
98	<i>undatella.</i>	California.

(Appendix. See, also, p. 64.)

Pa.	Pl.	Fig.	Name.	Locality.
112	i	8, 9	<i>Paludina scalaris</i> <i>Jay.</i>	Florida.
112	i	10, 11	<i>Lymnæa gracilis</i> <i>Jay.</i>	Essex Co., N. Y.
113	i	17, 18	<i>Trichotropis costellatus</i> <i>Couth.</i>	Mass. bay.
114	i	19, 20	<i>Nucula Portlandica</i> <i>Hitch.,</i> fossil.	Maine.
116	iii	7	<i>Ampullaria scalaris</i> <i>D'Orb.</i> <i>A. angulata</i> <i>Jay.</i>	Mexico.
118	v	1, 2	<i>Unio spinosus</i> <i>Lea.</i>	Georgia.
122	vii	11	<i>Melania læta</i> <i>Jay.</i>	Alabama.

**Bland.**—Facts and Principles relating to the Origin and Geographical Distribution of Mollusca: by THOS. BLAND, F. G. S. London. (From Am. Journal Science and Art, 2d series, vol. xiv, No. 42, pp. 389-404. November, 1852.)

**Lapham.**—Catalogue of the Mollusca of Wisconsin: by I. A. LAPHAM. (From Trans. Wisc. State Agricultural Soc., vol. ii. Madison, Wisc., 1852.) [Without descriptions.]

#### ORDER GASTEROPODA.

Page.		Page.	
367	<i>Ancylus rivularis</i> <i>Say.</i>	367	<i>Helix hirsuta</i> <i>Say.</i>
367	<i>diaphanus</i> <i>Hald.</i>	367	<i>labyrinthica</i> <i>Say.</i>
367	<i>Vitrina pellucida</i> <i>Drap.</i>	367	<i>lineata</i> <i>Say.</i>
367	<i>Helix albolabris</i> <i>Say.</i>	367	<i>ligera</i> <i>Say.</i>
367	<i>alternata</i> <i>Say.</i>	367	<i>monodon</i> <i>Rackett.</i>
367	<i>arboorea</i> <i>Say.</i>	367	<i>multilineata</i> <i>Say.</i>
367	<i>chersina</i> <i>Say.</i>	367	<i>perspectiva</i> <i>Say.</i>
367	<i>concava</i> <i>Say.</i>	367	<i>profunda</i> <i>Say.</i>
367	<i>fraterna</i> <i>Say.</i>	367	<i>porcina</i> <i>Say.</i>

Page.		Page.	
367	<b>Pupa armifera</b> Say.	368	<b>Limnea columella</b> Say.
367	<b>oortioaria</b> Say.		<i>L. macrostoma</i> Say.
367	<b>ovata</b> Say.	368	<b>emarginata</b> Say.
	<i>P. modesta.</i>	368	<b>fragilis</b> Linn.
367	<b>Succinea obliqua</b> Say.		<i>L. elodes</i> Say.
367	<b>avara</b> Say.	368	<b>gracilis</b> Say.
368	<b>Bulimus lubricus</b> Brug.	368	<b>jugularis</b> Say.
368	<b>harpa</b> Pfeiffer.		<i>L. stagnalis</i> Kirtland.
	<i>Helix harpa</i> Say.	368	<b>megasoma</b> Say.
368	<b>Planorbis armigerus</b> Say.	368	<b>umbrosa</b> Say.
368	<b>bicarinatus</b> Say.	368	<b>Physa heterostropha</b> Say.
368	<b>campanulatus</b> Say.	368	<b>elongata</b> Say.
368	<b>corpulentus</b> Say.	368	<b>Paludina decisa</b> Say.
368	<b>deflectus</b> Say.	368	<b>isogona</b> Say.
368	<b>exacutus</b> Say.	368	<b>subglobosa</b> Say.
368	<b>parvus</b> Say.	368	<b>Amnicola limosa</b> Say.
368	<b>trivolvus</b> Say.	368	<b>lustrica</b> Say.
368	<b>Limnea caperata</b> Say.	368	<b>Melania depygis</b> Say.
	<i>L. umbilicata</i> Adams.	368	<b>elevata</b> Say.
368	<b>catascopium</b> Say.	368	<b>Valvata tricarinata</b> Say.
		368	<b>sincera</b> Say.

## ORDER ACEPHALA.

369	<b>Unio bullatus</b> Raf.	369	<b>Unio nervosus</b> Raf.
	<i>U. pustulosus</i> Lea.		<i>U. zig-zag</i> Lea.
369	<b>cardium</b> Raf.		<i>donaciformis</i> Lea.
	<i>U. ventricosus</i> Barnes.	369	<b>olivarius</b> Raf.
369	<b>cariosus</b> Say.		<i>U. ellipsis</i> Lea.
369	<b>clava</b> Lam.	369	<b>parvus</b> Barnes.
	<i>U. mytiloides</i> Raf.	369	<b>prasinus</b> Conrad.
369	<b>dilatatus</b> Raf.		<i>U. Schoolcraftensis</i> Lea.
	<i>U. gibbosus</i> Barnes.	369	<b>radiatus</b> Lam.
369	<b>fasciolaris</b> Raf.	369	<b>rectus</b> Lam.
	<i>U. phaseolus</i> Hildreth.		<i>U. praelongus</i> Barnes.
	<i>mucronatus</i> Barnes.	369	<b>reflexus</b> Raf.
369	<b>fasciatus</b> Raf.		<i>U. cornutus</i> Barnes.
	<i>U. crassus</i> Barnes.	369	<b>subrostratus</b> Raf.
	<i>ellipticus</i> Barnes.		<i>U. iris</i> Lea.
	<i>carinatus</i> Barnes.	369	<b>trigonus</b> Lea.
369	<b>luteolus</b> Lam.	369	<b>truncatus</b> Raf.
	<i>U. siliquoides</i> Barnes.		<i>U. elegans</i> Lea.
	<i>inflatus</i> Barnes.	369	<b>tuberculatus</b> Raf.
369	<b>metanevrus</b> Raf.		<i>U. verrucosus</i> Barnes.
	<i>U. nodosus</i> Barnes.	369	<b>undatus</b> Barnes.

Page.		Page.	
369	<b>Unio verrucosus</b> Raf. <i>U. tuberculatus</i> Barnes.	370	<b>Alasmodonta marginata</b> S.
369	<b>Metaptera alata</b> Conrad. <i>Unio alatus</i> Say.	370	<b>leptodon</b> Raf. <i>Unio planus</i> Barnes. <i>tenuissima</i> Lea.
369	<b>fragilis</b> Conrad. <i>Unio fragilis</i> Say. <i>gracilis</i> Barnes.	370	<b>Strophites calceolus</b> Conr. <i>Unio calceolus</i> Lea.
369	<b>Plectomerus plicatus</b> Conr. <i>Unio plicatus</i> Barnes.	370	<b>edentulus</b> Conrad. <i>Alasmodonta edentula</i> Say. <i>Anodonta edentula</i> DeKay.
370	<b>Complanaria complanata</b> Conrad. <i>Alasmodonta complanata</i> Barnes.	370	<b>Anodonta cataracta</b> Say. <i>A. fluviatilis</i> Lea.
370	<b>costata</b> Conrad. <i>Alasmodonta costata</i> Raf. <i>rugosa</i> Bar.	370	<b>declivis</b> Conrad. <i>A. plana</i> Lea.
370	<b>compressa</b> Conrad. <i>Symphynota compressa</i> Lea.	370	<b>Ferussaciana</b> Lea.
		370	<b>imbecillis</b> Say. <i>A. incerta</i> Lea.
		370	<b>Cyclas similis</b> Say.

**Lea.**—A Synopsis of the Family of Naiades: by ISAAC LEA, Member of the Amer. Phil. Soc., &c. Third edition, greatly enlarged and improved. Philadelphia, 1852.<sup>1</sup>

#### GENUS MARGARON.

##### Subgenus Unio.

Page.		Page.	
	(SYMPHYNOTA.)		
19	<b>Unio Nicklinianus</b> Lea.		<i>Lymnadia alata</i> Sowb.
19	<b>Boykinianus</b> Lea.	19	<b>Unio lævissimus</b> Lea. <i>Symph. lævissima</i> Lea. <i>U. lævissima</i> Deshayes.
19	<b>inflatus</b> Lea. <i>Symph. inflata</i> Lea. <i>U. Alabamensis</i> Conrad.	19	<b>gracilis</b> Barnes. <i>U. planus</i> Barnes. <i>fragilis</i> Swain. <i>Symph. gracilis</i> Lea.
19	<b>alatus</b> Say. <i>Mya alata</i> Wood. <i>Symph. alata</i> Lea.		

<sup>1</sup> There is also, in the marginal notes, much information regarding the synonymy which is not given in a shape convenient to embody in my extract. As no localities are given, I have taken only those species which are repeated by Mr. Lea in the North American sections of his geographical tables. Mr. Lea published three editions of this Synopsis, in the Transactions of the Philosophical Society (q. v.), in 1836 and in 1852. The last two now follow.—W. G. B.

Page.		Page.	
	<i>Metaptera gracilis</i> Stimp.	21	<b>Unio trapezoides</b> <i>Lea.</i>
19	<b>Unio pressus</b> <i>Lea.</i>		<i>U. crassidens</i> Lam. var. <b>a.</b>
	<i>Symph. compressa</i> <i>Lea.</i>		<i>interruptus</i> Say.
	<i>Complanaria ulasmodontina</i> Stimpson.	21	<b>subtentus</b> <i>Say.</i>
	<i>U. compressus</i> Conrad.	21	<b>Conradicus</b> <i>Lea.</i>
19	<b>decoratus</b> <i>Lea.</i>	21	<b>acutissimus</b> <i>Lea.</i>
19	<b>atromarginatus</b> <i>Lea.</i>		(b. <i>Nodulosus.</i> )
	(NON-SYMPHYNOTR.)	21	<b>lachrymosus</b> <i>Lea.</i>
	(a. <i>Plicate.</i> )	21	<b>asperrimus</b> <i>Lea.</i>
20	<b>multiplicatus</b> <i>Lea.</i>	21	<i>U. quadrulus</i> <i>Say.</i>
	<i>U. heros</i> <i>Say.</i>	21	<b>Rumphianus</b> <i>Lea.</i>
	<i>undulatus</i> <i>Say.</i>	22	<b>fragosus</b> <i>Conrad.</i>
20	<b>undulatus</b> <i>Barnes.</i>	22	<b>Phillipsii</b> <i>Conrad.</i>
	<i>U. costata?</i> Raf.	22	<b>Cincinnatiensis</b> <i>Lea.</i>
	<i>costatus</i> Conrad.	22	<b>pustulatus</b> <i>Lea.</i>
20	<b>perplicatus</b> <i>Conrad.</i>	22	<i>U. undulatus</i> Conrad.
20	<b>atrocostatus</b> <i>Lea.</i>	22	<b>Schoolcraftensis</b> <i>Lea.</i>
20	<b>plicatus</b> <i>Lesueur.</i>		<i>U. prasinus</i> Conrad.
	<i>U. Peruviana</i> Lam.	22	<i>nodiferus</i> Conrad.
	<i>rariplicata</i> Lam.	22	<b>apiculatus</b> <i>Say.</i>
	<i>Dombeyanus</i> Valen.	22	<b>asper</b> <i>Lea.</i>
	<i>undulata</i> Desh.	22	<b>Dorfeuilleianus</b> <i>Lea.</i>
	<i>multiplicata</i> Desh.	22	<b>stapes</b> <i>Lea.</i>
	<i>crassus</i> Barnes.	22	<b>tuberosus</b> <i>Lea.</i>
	<i>undulatus</i> Conrad.	22	<b>sparsus</b> <i>Lea.</i>
20	<b>infucatus</b> <i>Conrad.</i>	22	<b>metanevrus</b> <i>Raf.</i>
	<i>U. securiformis</i> Conrad.		<i>U. nodosus</i> Barnes.
20	<b>Kleinianus</b> <i>Lea.</i>		<i>rugosus</i> Barnes.
20	<b>foliatus</b> <i>Hild.</i>	22	<i>Telederma metanevra</i> Sw.
	<i>U. flexuosa?</i> Raf.	22	<b>intermedius</b> <i>Conrad.</i>
	<i>U. flexuosus</i> Conrad.	22	<b>cornutus</b> <i>Barnes.</i>
	<i>foliatus</i> Conrad.		<i>U. reflexa?</i> Raf.
20	<b>cœlatus</b> <i>Conrad.</i>	22	<i>reflexus</i> Conrad.
20	<b>Stewardsonii</b> <i>Lea.</i>	22	<b>pustulosus</b> <i>Lea.</i>
20	<b>pliciferus</b> <i>Lea.</i>		<i>U. verrucosus</i> Barnes.
	<i>U. carbonarius</i> <i>Lea.</i>		<i>verrucosa</i> Valen.
	<i>plexus</i> Conrad.		<i>verrucosus albus</i> <i>Say.</i>
20	<b>semigranosus</b> <i>V. d. Busch.</i>	22	<i>bullatus</i> Conrad.
21	<b>laticostatus</b> <i>Lea.</i>	22	<b>Kelnerianus</b> <i>Lea.</i>
21	<b>hippopœus</b> <i>Lea.</i>	22	<b>turgidus</b> <i>Lea.</i>
21	<b>Sloatianus</b> <i>Lea.</i>		<i>U. Mortoni</i> Conrad.
	<i>U. plectoforus</i> Conrad.	22	<b>Cooperianus</b> <i>Lea.</i>

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| 22       | <b>Unio verrucosus</b> Barnes.   | 24    | <b>Unio penitus</b> Conrad. |
| 1        | <i>U. tuberculata?</i> Raf.      | 24    | <b>Estabrookianus</b> Lea.  |
|          | <i>tuberculosa</i> Valen.        | 24    | <b>securis</b> Lea.         |
|          | <i>verrucosus purpureus</i>      |       | <i>U. depressa</i> (?) Raf. |
|          | Hild.                            |       | <i>lineolatus</i> Say.      |
|          | <i>tuberculatus</i> Conrad.      | 24    | <b>abaous</b> Hald.         |
| 22       | <b>graniferus</b> Lea.           | 24    | <b>camelus</b> Lea.         |
| (Errata) | <b>pernodosus</b> Lea.           | 24    | <b>compressissimus</b> Lea. |
| 22       | <b>irroratus</b> Lea.            | 24    | <b>ovatus</b> Say.          |
|          | <i>U. verrucosus albus</i> Hild. |       | <i>U. ventricosus</i> Desh. |
|          | <i>stegarius</i> Conrad.         |       | <i>subovatus</i> Desh.      |
| 22       | <b>caperatus</b> Lea.            |       | <i>occidens</i> Desh.       |
|          | <i>U. abacoides</i> Hald.        |       | <i>Æglia ovata</i> Swain.   |
| 23       | <b>dromas</b> Lea.               | 24    | <b>satur</b> Lea.           |
| 23       | <b>Lamarckianus</b> Lea.         | 24    | <b>subovatus</b> Lea.       |
| 23       | <b>Æsopus</b> Green.             | 24    | <b>crassidens</b> Lam.      |
|          | <i>U. cicatricosus</i> Conrad.   |       | <i>U. cuneatus</i> Barnes.  |
|          | <i>varicosus</i> Conrad.         |       | <i>niger?</i> Raf.          |
|          | <i>cyphius</i> Conrad.           |       | <i>niger</i> Conrad.        |
| 23       | <b>varicosus</b> Lea.            | 24    | <b>inorassatus</b> Lea.     |
|          | <i>U. cicatricosus?</i> Say.     | 24    | <b>Forbesianus</b> Lea.     |
|          | <i>cicatricosus</i> Conrad.      | 24    | <b>gibber</b> Lea.          |
| 23       | <b>perplexus</b> Lea.            | 24    | <b>pumilis</b> Lea.         |
|          | <i>U. gibbosus?</i> Raf.         | 24    | <b>rubiginosus</b> Lea.     |
|          | <i>gibbosus</i> Conrad.          |       | <i>U. flavus</i> Conrad.    |
| 23       | <b>tuberculatus</b> Barnes.      |       | <i>cerinus</i> Conrad.      |
|          | <i>U. pustulata</i> Swain.       | 24    | <b>Bigbyensis</b> Lea.      |
| 23       | <b>cylindricus</b> Say.          | 24    | <b>maculatus</b> Conrad.    |
|          | <i>U. naviformis</i> Lam.        | 24    | <b>Barnesianus</b> Lea.     |
|          |                                  | 24    | <b>cuneolus</b> Lea.        |
|          | (c. <i>Spinous</i> .)            | 24    | <b>pileus</b> Lea.          |
| 23       | <b>spinous</b> Lea.              | 25    | <b>Sowerbianus</b> Lea.     |
| 23       | <b>collinus</b> Conrad.          | 25    | <b>trigonus</b> Lea.        |
|          |                                  | 25    | <b>cyrenoides</b> Phil.     |
|          | (d. <i>Smooth</i> .)             | 25    | <b>Holstonensis</b> Lea.    |
| 23       | <b>arcæformis</b> Lea.           | 25    | <b>tumescens</b> Lea.       |
|          | <i>U. nexus</i> Say.             | 25    | <b>fulgidus</b> Lea.        |
| 23       | <b>triangularis</b> Barnes.      | 25    | <b>solidus</b> Lea.         |
|          | <i>U. formosus</i> Lea.          | 25    | <b>obliquus</b> Lam.        |
|          | <i>cuneatus</i> Swain.           |       | <i>U. undatus</i> Barnes.   |
| 23       | <b>Foremanianus</b> Lea.         |       | <i>trigonus</i> Say.        |
| 23       | <b>elegans</b> Lea.              |       | <i>mytiloides</i> Eat.      |
|          | <i>U. truncatus</i> Say.         |       | <i>undulatus</i> Desh.      |
| 24       | <b>donaciformis</b> Lea.         |       | <i>cordatus?</i> Raf.       |
| 24       | <b>zigzag</b> Lea.               |       | <i>cordatus</i> Conrad.     |
| 24       | <b>heterodon</b> Lea.            |       | <i>cardiacea</i> Guérin.    |

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25	<b>Unio plenus</b> <i>Lea.</i>	26	<b>Unio occidentalis</b> <i>Lea.</i>
25	<b>pyramidatus</b> <i>Lea.</i>		<i>U. ventricosus</i> <i>Say.</i>
	<i>U. rubra?</i> <i>Raf.</i>		<i>lenis</i> (junior) <i>Conrad.</i>
	<i>mytiloides</i> <i>Conrad.</i>		<i>cardium</i> <i>Conrad.</i>
	<i>cardiacea</i> <i>Desh.</i>	27	<b>lineatus</b> <i>Lea.</i>
25	<b>Bournianus</b> <i>Lea.</i>	27	<b>dolabræformis</b> <i>Lea.</i>
25	<b>Edgarianus</b> <i>Lea.</i>	27	<b>capax</b> <i>Green.</i>
25	<b>mytiloides</b> <i>Raf.</i>		<i>Symph. globosa</i> <i>Lea.</i>
	<i>Mya obliqua</i> <i>Wood.</i>	27	<b>splendidus</b> <i>Lea.</i>
	<i>Uniopsis mytiloides</i> <i>Swain.</i>	27	<b>ochraceus</b> <i>Say.</i>
25	<b>Troostensis</b> <i>Lea.</i>		<i>Symph. ochracea</i> <i>Lea.</i>
	<i>U. trabalis</i> <i>Conrad.</i>		<i>U. rosaceus</i> <i>Conrad.</i>
25	<b>trossulus</b> <i>Lea.</i>		<i>Lampsilis ochracea</i> <i>Stimp.</i>
25	<b>Taitianus</b> <i>Lea.</i>	27	<b>stagnalis</b> <i>Conrad.</i>
26	<b>oor</b> <i>Conrad.</i>		<i>U. Ogecheensis</i> <i>Conrad.</i>
26	<b>Hanleyianus</b> <i>Lea.</i>	27	<b>Clarkianus</b> <i>Lea.</i>
26	<b>decisus</b> <i>Lea.</i>	27	<b>crocatus</b> <i>Lea.</i>
26	<b>clavus</b> <i>Lam.</i>	27	<b>affinis</b> <i>Lea.</i>
	<i>U. scalenia</i>	27	<b>cariosus</b> <i>Say.</i>
	<i>modioliformis</i> <i>Say.</i>		<i>U. cariosa</i> <i>Lam.</i>
26	<b>patulus</b> <i>Lea.</i>		<i>ovata</i> <i>Valen.</i>
26	<b>oviformis</b> <i>Conrad.</i>		<i>luteola</i> <i>Conrad.</i>
26	<b>argenteus</b> <i>Lea.</i>		<i>oratus</i> <i>Conrad.</i>
26	<b>Ravenellianus</b> <i>Lea.</i>		<i>Lampsilis cariosa</i> <i>Stimp.</i>
	<i>U. rudis</i> <i>Conrad.</i>	27	<b>Georgianus</b> <i>Lea.</i>
26	<b>Troschellianus</b> <i>Lea.</i>	27	<b>perovatus</b> <i>Conrad.</i>
26	<b>strictus</b> <i>Lea.</i>	27	<b>aitilis</b> <i>Conrad.</i>
26	<b>Rangianus</b> <i>Lea.</i>	27	<b>multiradiatus</b> <i>Lea.</i>
	<i>U. gibbosus</i> <i>Küst.</i>		<i>U. fasciola?</i> <i>Raf.</i>
26	<b>sulcatus</b> <i>Lea.</i>		<i>fasciolus</i> <i>Conrad.</i>
	<i>U. ridibundus</i> <i>Say.</i>		<i>ligamentina</i> <i>Desh.</i>
26	<b>Haysianus</b> <i>Lea.</i>	27	<b>Novi-Eboracæ</b> <i>Lea.</i>
26	<b>ellipsis</b> <i>Lea.</i>	27	<b>saxeus</b> <i>Conrad.</i>
	<i>U. brevis</i> <i>Sowb.</i>	27	<b>perovalis</b> <i>Conrad.</i>
26	<b>castaneus</b> <i>Lea.</i>	27	<b>capsæformis</b> <i>Lea.</i>
26	<b>pulvinulus</b> <i>Lea.</i>	27	<b>Greenii</b> <i>Conrad.</i>
26	<b>Tampicoensis</b> <i>Lea.</i>	27	<b>pictus</b> <i>Lea.</i>
26	<b>Lecontianus</b> <i>Lea.</i>	27	<b>pallescens</b> <i>Lea.</i>
	<i>U. contrarius</i> <i>Conrad.</i>	27	<b>Tennesseeensis</b> <i>Lea.</i>
26	<b>hebes</b> <i>Lea.</i>	27	<b>simplex</b> <i>Lea.</i>
26	<b>perdix</b> <i>Lea.</i>	27	<b>flavescens</b> <i>Lea.</i>
	<i>U. pectorosus</i> <i>Conrad.</i>	27	<b>interruptus</b> <i>Lea.</i>
26	<b>ventricosus</b> <i>Barnes.</i>		<i>U. tznatus?</i> <i>Conrad.</i>
	<i>U. radiatus</i> <i>Hild.</i>		<i>latiradiatus</i> <i>Conrad.</i>
	<i>Lampsilis ventricosa</i> <i>Stim.</i>		

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27	<b>Unio Menkianus</b> <i>Lea.</i>	29	<b>Unio Nashvillianus</b> <i>Lea.</i>
27	<b>Stonensis</b> <i>Lea.</i>	29	<b>Mississippiensis</b> <i>Conrad.</i>
27	<b>venustus</b> <i>Lea.</i>	29	<b>Zeiglerianus</b> <i>Lea.</i>
27	<b>exiguus</b> <i>Lea.</i>	29	<b>lienosus</b> <i>Conrad.</i>
27	<b>Tecomatensis</b> <i>Lea.</i>	29	<b>constrictus</b> <i>Conrad.</i>
28	<b>spatulatus</b> <i>Lea.</i>	29	<b>placitus</b> <i>Lea.</i>
28	<b>ligamentinus</b> <i>Lam.</i>	29	<b>buxeus</b> <i>Lea.</i>
	<i>U. crassus</i> <i>Say.</i>	29	<b>concavus</b> <i>Lea.</i>
	<i>ellipticus</i> <i>Barnes.</i>	29	<b>obscurus</b> <i>Lea.</i>
	<i>carinatus</i> <i>Barnes.</i>	29	<b>proximus</b> <i>Lea.</i>
	<i>Mya gravis</i> <i>Wood.</i>	29	<b>nitens</b> <i>Lea.</i>
	<i>U. fuscatus</i> <i>Conrad.</i>	29	<b>Gouldii</b> <i>Lea.</i>
28	<b>orbiculatus</b> <i>Hild</i>	29	<b>Moussonianus</b> <i>Lea.</i>
	<i>U. abruptus</i> <i>Say.</i>	29	<b>Monroensis</b> <i>Lea.</i>
	<i>crassus</i> <i>Conrad.</i>	29	<b>caliginosus</b> <i>Lea.</i>
28	<b>Hydianus</b> <i>Lea.</i>	29	<b>Binneyi</b> <i>Lea.</i>
28	<b>approximus</b> <i>Lea.</i>	30	<b>Bucklyi</b> <i>Lea.</i>
28	<b>Clabornensis</b> <i>Lea.</i>	30	<b>fuscatus</b> <i>Lea.</i>
28	<b>Powellii</b> <i>Lea.</i>	30	<b>occultus</b> <i>Lea.</i>
28	<b>Reeveianus</b> <i>Lea.</i>	30	<b>luridus</b> <i>Lea.</i>
28	<b>luteolus</b> <i>Lam.</i>	30	<b>nigellus</b> <i>Lea.</i>
	<i>U. siliquoides</i> <i>Barnes.</i>	30	<b>Cumberlandianus</b> <i>Lea.</i>
	<i>inflatus</i> <i>Barnes.</i>		<i>U. Cumberlandicus</i> <i>Chenu.</i>
	<i>inclinus</i> <i>Conrad.</i>	30	<b>vibex</b> <i>Conrad.</i>
	<i>rosaceus</i> <i>De Kay.</i>	30	<b>Muhlfeldianus</b> <i>Lea.</i>
	<i>Lampsilis siliquoidea</i> <i>St.</i>	31	<b>creperus</b> <i>Lea.</i>
28	<b>stramineus</b> <i>Conrad.</i>	31	<b>glaber</b> <i>Lea.</i>
28	<b>aratus</b> <i>Lea.</i>	31	<b>fabalis</b> <i>Lea.</i>
28	<b>pulcher</b> <i>Lea.</i>		<i>U. capillus</i> <i>Say.</i>
28	<b>tener</b> <i>Lea.</i>		<i>lapillus</i> <i>Say.</i>
29	<b>Prevostianus</b> <i>Lea.</i>	31	<b>paulus</b> <i>Lea.</i>
29	<b>radiatus</b> <i>Lam.</i>	31	<b>pusillus</b> <i>Lea.</i>
	<i>U. Virginiana</i> <i>Lam.</i>	31	<b>parvus</b> <i>Barnes.</i>
	<i>Mya radiata</i> <i>Gmel.</i>	31	<b>Haleianus</b> <i>Lea.</i>
	<i>oblongata</i> <i>Wood.</i>	31	<b>nigerrimus</b> <i>Lea.</i>
	<i>pictorumtenis</i> <i>Chem.</i>	31	<b>minor</b> <i>Lea.</i>
	<i>Lampsilis radiata</i> <i>Stimp.</i>	31	<b>glans</b> <i>Lea.</i>
29	<b>regularis</b> <i>Lea.</i>	31	<b>nux</b> <i>Lea.</i>
29	<b>amoenus</b> <i>Lea</i>	31	<b>Brumbyanus</b> <i>Lea.</i>
29	<b>Sapotalensis</b> <i>Lea.</i>	31	<b>mæstus</b> <i>Lea.</i>
29	<b>Oregonensis</b> <i>Lea.</i>	31	<b>pullus</b> <i>Conrad.</i>
29	<b>Medellinus</b> <i>Lea.</i>	31	<b>ineptus</b> <i>Lea.</i>
29	<b>notatus</b> <i>Lea.</i>	31	<b>discus</b> <i>Lea.</i>
29	<b>subangulatus</b> <i>Lea.</i>		<i>U. Panacoensis</i> <i>V. d Busch.</i>
29	<b>Vanuxemensis</b> <i>Lea.</i>	31	<b>simus</b> <i>Lea.</i>

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32	<b>Unio brevidens</b> <i>Lea.</i> <i>U. interruptus</i> Conrad.	33	<b>Unio fulvus</b> <i>Lea.</i> <i>U. icterinus</i> Conrad.
32	<b>tetralasmus</b> <i>Say.</i>	33	<b>rufusculus</b> <i>Lea.</i>
32	<b>camptodon</b> <i>Say.</i> <i>U. declivis</i> Conrad. <i>Sayii</i> Tappan. <i>rhomboidius</i> Ward, MS	33	<b>Gibbesianus</b> <i>Lea.</i>
32	<b>obesus</b> <i>Lea.</i>	33	<b>sordidus</b> <i>Lea.</i>
32	<b>Hopetonensis</b> <i>Lea.</i>	33	<b>Dariensis</b> <i>Lea.</i>
32	<b>fraternus</b> <i>Lea.</i>	33	<b>Congaræus</b> <i>Lea.</i>
32	<b>Cuverianus</b> <i>Lea.</i>	33	<b>neglectus</b> <i>Lea.</i>
32	<b>Roanokensis</b> <i>Lea.</i>	33	<b>subplanus</b> <i>Conrad.</i>
32	<b>jejunus</b> <i>Lea.</i>	33	<b>declivis</b> <i>Say.</i> <i>U. geometricus</i> <i>Lea.</i> <i>excultus</i> Conrad.
32	<b>complanatus</b> <i>Lea.</i> <i>Mya complanata</i> Soland. <i>rigida</i> Wood. <i>U. violaceus</i> Spangler. <i>purpureus</i> <i>Say.</i> <i>rarisulcata</i> Lam. <i>coarctata</i> Lam. <i>purpurascens</i> Lam. <i>rhombula</i> Lam. <i>carinifera</i> Lam. <i>Georgina</i> Lam. <i>glabrata</i> Lam. <i>sulcidens</i> Lam. <i>fluvialilis</i> Green. <i>subinflata</i> Conrad. <i>planilaterus</i> Conrad.	33	<b>paludicolus</b> <i>Gould.</i>
32	<b>symmetricus</b> <i>Lea.</i>	33	<b>Blandingianus</b> <i>Lea.</i>
32	<b>limatulus</b> <i>Conrad.</i>	34	<b>famelicus</b> <i>Gould.</i>
32	<b>Buddianus</b> <i>Lea.</i>	34	<b>circulus</b> <i>Lea.</i> <i>Mya rotunda?</i> Wood.
33	<b>Griffithianus</b> <i>Lea.</i>	34	<b>lens</b> <i>Lea.</i>
33	<b>confertus</b> <i>Lea.</i>	34	<b>unicolor</b> <i>Lea.</i>
33	<b>Geddingsianus</b> <i>Lea.</i>	34	<b>rubellus</b> <i>Conrad.</i>
33	<b>Whiteianus</b> <i>Lea.</i>	34	<b>Masoni</b> <i>Conrad.</i>
33	<b>fuliginosus</b> <i>Lea.</i>	34	<b>rotundatus</b> <i>Lam.</i> <i>U. suborbiculata</i> Lam. <i>glebulus</i> <i>Say.</i> <i>subglobosus</i> <i>Lea.</i>
33	<b>palliatu</b> <i>Ravenel's letter.</i>	35	<b>personatus</b> <i>Say.</i> <i>U. capillaris</i> <i>Lea.</i>
33	<b>Tuomeyi</b> <i>Lea.</i>	35	<b>retusus</b> <i>Lam.</i> <i>U. torsa</i> Raf. <i>obtusa</i> Cuvier. <i>cordatus</i> (sem.) Küst.
33	<b>callosus</b> <i>Lea.</i>	35	<b>ebenus</b> <i>Lea.</i> <i>U. mytiloides</i> Conrad. <i>obliquus</i> Conrad. <i>Gouldianus</i> Ward.
33	<b>tortivus</b> <i>Lea.</i>	35	<b>Lesnerianus</b> <i>Lea.</i>
33	<b>occidentalis</b> <i>Conrad.</i>	35	<b>nucleopsis</b> <i>Conrad.</i>
33	<b>Wateriensis</b> <i>Lea.</i> <i>U. Raveneli</i> Conrad.	35	<b>Kirtlandianus</b> <i>Lea.</i>
		35	<b>pilaris</b> <i>Lea.</i>
		35	<b>dollabelloides</b> <i>Lea.</i>
		35	<b>subrotundus</b> <i>Lea.</i> <i>U. politus?</i> <i>Say.</i> <i>brevialis?</i> Cronch. <i>politus</i> Conrad.



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| 35    | <b>Unio coccineus</b> <i>Lea.</i><br><i>U. coccineus</i> Hildreth's<br>letter, Conrad.<br><i>catillus</i> Conrad.<br><i>cuneus?</i> Conrad.  | 38    | <b>Unio phaseolus</b> <i>Hild.</i><br><i>U. planulatus</i> <i>Lea.</i><br><i>cuneatus</i> <i>Barnes.</i>   |
| 35    | <b>Shepardianus</b> <i>Lea.</i>  | 38    | <b>arcus</b> <i>Conrad.</i>  |
| 35    | <b>Duttonianus</b> <i>Lea.</i>   | 38    | <b>arctatus</b> <i>Conrad.</i>   |
| 35    | <b>folliculatus</b> <i>Lea.</i>  | 38    | <b>gibbosus</b> <i>Barnes.</i><br><i>U. mucronatus</i> <i>Barnes.</i><br><i>nasuta</i> <i>Lam.</i><br><i>dilatatus?</i> <i>Raf.</i><br><i>dilatatus</i> <i>Conrad.</i> |
| 35    | <b>rectus</b> <i>Lam.</i><br><i>U. praelongus</i> <i>Barnes.</i><br><i>recta</i> <i>Valen.</i><br><i>Sageri</i> <i>Conrad.</i><br><i>Mya praelonga</i> <i>Wood.</i><br><i>Eurynea praelonga</i> <i>Stimp.</i>    | 38    | <b>arctior</b> <i>Lea.</i>   |
| 36    | <b>strigosus</b> <i>Lea.</i>   | 38    | <b>Vaughanianus</b> <i>Lea.</i><br><i>U. Carolinensis</i> <i>Rav. let.</i>   |
| 33    | <b>perstriatus</b> <i>Lea.</i>   | 38    | <b>purpuratus</b> <i>Lam.</i><br><i>Mya ventricosa</i> <i>Solan.</i><br><i>U. ater</i> <i>Lea.</i><br><i>lugubris</i> <i>Say.</i><br><i>Poulsoni</i> <i>Conrad.</i>    |
| 36    | <b>angustatus</b> <i>Lea.</i>  | 38    | <b>biangulatus</b> <i>Lea.</i>   |
| 36    | <b>dactylus</b> <i>Lea.</i>  | 38    | <b>cuprinus</b> <i>Lea.</i><br><i>U. metallicus</i> <i>Say.</i>  |
| 36    | <b>lanceolatus</b> <i>Lea.</i>   | 38    | <b>papyraceus</b> <i>Gould.</i>  |
| 36    | <b>anodontoides</b> <i>Lea.</i><br><i>U. teres?</i> <i>Raf.</i><br><i>teres</i> <i>Conrad.</i>   | 38    | <b>Boydianus</b> <i>Lea.</i>   |
| 37    | <b>productus</b> <i>Conrad.</i>  | 39    | <b>modioliformis</b> <i>Lea.</i><br><i>U. delumbis</i> <i>Conrad.</i>  |
| 37    | <b>sagittiformis</b> <i>Lea.</i>   | 39    | <b>Floridensis</b> <i>Lea.</i>   |
| 37    | <b>nasutus</b> <i>Say.</i><br><i>U. rostratus</i> <i>Valen.</i><br><i>Mya nasuta</i> <i>Wood.</i><br><i>U. subrostratus?</i> <i>Say.</i><br><i>Eurynea nasuta</i> <i>Stimp.</i>                                  | 39    | <b>tenerus</b> <i>Rav.</i><br><i>U. tenebrosus</i> <i>Conrad.</i>  |
| 37    | <b>Barrattii</b> <i>Lea.</i>   | 39    | <b>pellucidus</b> <i>Lea.</i>  |
| 37    | <b>Fisherianus</b> <i>Lea.</i>   | 39    | <b>amygdalum</b> <i>Lea.</i>   |
| 37    | <b>aheneus</b> <i>Lea.</i>   | 39    | <b>lenior</b> <i>Lea.</i>  |
| 37    | <b>Jayensis</b> <i>Lea.</i>  | 39    | <b>hyalinus</b> <i>Lea.</i>  |
| 38    | <b>lugubris</b> <i>Lea.</i>  | 39    | <b>nigrinus</b> <i>Lea.</i>  |
| 38    | <b>iris</b> <i>Lea.</i><br><i>U. nebulosus</i> <i>Conrad.</i>  | 39    | <b>Tappanianus</b> <i>Lea.</i><br><i>U. viridis</i> <i>Conrad.</i>   |
| 38    | <b>fatuus</b> <i>Lea.</i>  | 39    | <b>oontradens</b> <i>Lea.</i>  |
| 38    | <b>tenuissimus</b> <i>Lea.</i><br><i>Symph. tenuissima</i> <i>Lea.</i><br><i>An. purpurascens</i> <i>Swain.</i><br><i>U. velum</i> <i>Say.</i><br><i>leptodon</i> <i>Conrad.</i><br><i>planus</i> <i>Conrad.</i> | 39    | <b>obtusus</b> <i>Lea.</i>   |
|       |  | 39    | <b>monodontus</b> <i>Say.</i><br><i>U. soleniformis</i> <i>Lea.</i>  |
|       |  | 39    | <b>Lazarus</b> <i>Lea.</i>   |

[Here follows a list of species with which the author is unacquainted. No habitats being given, I cannot be sure of any being American, but presume the following to be so.—W. G. B.]

Page.		Page.	
39	<b>Unio Aberti</b> Conrad.	40	<b>Unio parallelus</b> Conrad.
40	<b>fervus</b> Conrad.	40	<b>Pequottinus</b> Linsl.
40	<b>metastriatus</b> Conrad.	40	<b>punicus</b> Hald.
40	<b>Mexicanus</b> Phil.	40	<b>purpuratus</b> Say.
<b>Subgenus Margaritana.</b>			
	(SYMPHYNOTE.)	42	<b>Margaritana undulata</b> Lea.
	(a. <i>Plicate.</i> )		<i>Alas. undulata</i> Say.
42	<b>Margaritana complanata</b> Lea.		<i>sculptilis</i> (jun.) Say.
	<i>Alas. complanata</i> Barnes.		<i>Strophitus sculptilis</i> Stim.
	<i>Symph. complanata</i> Lea.		<i>Mya undulata</i> Wood.
	<i>Unio complanata</i> Desh.		<i>Unio hians</i> Valen.
	<i>Katherina</i> Lea.		<i>glabratus</i> Sowb.
	(NON-SYMPHYNOTE.)	42	<b>Raveneliana</b> Lea.
	(a. <i>Plicate.</i> )	43	<b>radiata</b> Lea.
42	<b>confragosa</b> Lea.		<i>Alas. radiata</i> Conrad.
	<i>Alas. confragosa</i> Say.		<i>Uniopsis radiata?</i> Swain.
	<i>Unio confragosa</i> Desh.	43	<b>calceola</b> Lea.
42	<b>arcula</b> Lea.		<i>Unio calceolus</i> Lea.
42	<b>marginata</b> Lea.		<i>Alas. marginata</i> Say.
	<i>Alas. marginata</i> Say.		<i>truncata</i> Conrad.
	<i>truncata</i> Say.	43	<b>Hildrethiana</b> Lea.
	<i>Unio cariosa</i> Lam. (var. 2)		<i>Unio Hildrethianus</i> Lea.
	<i>varicosa</i> Lam.		<i>Alas. ambigua?</i> Say.
	<i>calceolus</i> Say.	43	<b>dehiscens</b> Lea.
	<i>Mya regulosa</i> Wood.		<i>Unio dehiscens</i> Say.
	<i>Alas. corrugata</i> De Kay.		<i>oriens</i> Lea.
42	<b>rugosa</b> Lea.	43	<b>margaritifera</b> Lea.
	<i>Alas. rugosa</i> Barnes.		<i>M. fluviatilis</i> Sohm.
	<i>abducta</i> Say.		<i>arcuata</i> Stimpson.
	<i>Complanaria rugosa</i> Stim.		<i>Unio Carolinianus</i> Bosc.
	(b. <i>Smooth.</i> )		<i>Alas. arcuata</i> Barnes.
42	<b>deltoides</b> Lea.		<i>falcata</i> Gould.
42	<b>minor</b> Lea.	44	<b>Holstonia</b> Lea.
42	<b>Curreyana</b> Lea.	44	<b>fabula</b> Lea.
			(Unknown.)
		44	<b>Etowaensis</b> Conrad.
<b>Subgenus Anodonta.</b>			
	(SYMPHYNOTE.)	47	<b>Anodonta Benedictensis</b> Lea.
	(a. <i>Smooth.</i> )		<i>Symph. Benedictensis</i> Lea.
47	<b>Anodonta Wahlamatensis</b>		<i>A. cultratus</i> Gould.
	Lea.	47	<b>Nuttalliana</b> Lea.

Page.		Page.	
47	<b>Anodonta Californiensis</b> <i>Lea.</i> (NON-SYMPHYNOTE.) (b. Smooth.)	50	<b>Anodonta fluviatilis</b> <i>Lea.</i> <i>Myt. fluviatilis</i> Dill. <i>illitus</i> Soland? <i>A. cataracta</i> Say. <i>marginata</i> Say. <i>teres</i> Conrad. <i>Unio cataracta</i> Desh.
49	<b>Oregonensis</b> <i>Lea.</i> <i>A. cognata</i> Gould.	50	<i>opaca</i> <i>Lea.</i>
49	<b>Pepiniana</b> <i>Lea.</i>	50	<b>Arkansensis</b> <i>Lea.</i>
49	<b>fragilis</b> <i>Lam.</i>	50	<b>glauca</b> <i>Valen.</i>
49	<b>Footiana</b> <i>Lea.</i>	50	<i>A. glauca</i> <i>Lam.</i> <i>oratus</i> <i>Swain.</i>
49	<b>undulata</b> <i>Say.</i> <i>Anodon rugosus</i> <i>Swain.</i> <i>Anodonta Pennsylvanica</i> <i>Lam.</i>	50	<b>ovata</b> <i>Lea.</i>
	<i>Unio undulata</i> <i>Desh.</i>	50	<b>plana</b> <i>Lea.</i> <i>A. declivis</i> <i>Conrad.</i>
	<i>Alas. marginata</i> <i>Küst.</i>	50	<b>decora</b> <i>Lea.</i>
	<i>Strophitus undulatus</i> <i>Stim.</i>	50	<b>Harpethensis</b> <i>Lea.</i>
49	<b>Wardiana</b> <i>Lea.</i>	50	<b>gigantea</b> <i>Lea.</i>
	<i>A. virgata</i> <i>Conrad.</i>	50	<b>subveva</b> <i>Conrad.</i>
49	<b>edentula</b> <i>Lea.</i> <i>Alas. edentula</i> <i>Say.</i> <i>An. areolatus</i> <i>Swain.</i> <i>unadilla</i> <i>De Kay.</i>	50	<b>Stewartiana</b> <i>Lea.</i>
50	<b>pavonia</b> <i>Lea.</i>	51	<b>virens</b> <i>Lea.</i>
50	<b>Ferussaciana</b> <i>Lea.</i> <i>Alas. Ferussaciana</i> <i>Küst.</i>	51	<b>gibbosa</b> <i>Say.</i> <i>A. inflata</i> <i>Major Leconte's</i> <i>cabinet.</i>
50	<b>denigrata</b> <i>Lea.</i>	51	<b>Couperiana</b> <i>Lea.</i>
50	<b>oblita</b> <i>Lea.</i>	51	<b>grandis</b> <i>Say.</i> <i>A. corpulenta</i> <i>Coop.</i>
50	<b>argentea</b> <i>Lea.</i>	51	<b>tetragona</b> <i>Lea.</i>
50	<b>ferruginea</b> <i>Lea.</i>	51	<b>Shaefferiana</b> <i>Lea.</i>
50	<b>salmonia</b> <i>Lea.</i>	51	<b>suborbiculata</b> <i>Say.</i>
50	<b>imbecillis</b> <i>Say.</i> <i>A. incerta</i> <i>Lea.</i>	51	<b>Linnæana</b> <i>Lea.</i>
50	<b>implicata</b> <i>Say.</i> <i>A. Newtonensis</i> <i>Lea.</i> <i>excursata</i> <i>De Kay.</i>	51	<b>cylindracea</b> <i>Lea.</i>
		51	<b>subcylindracea</b> <i>Lea.</i>
		51	<b>Buchanensis</b> <i>Lea.</i>
		52	<b>angulata</b> <i>Lea.</i> <i>A. feminalis.</i>

[I presume the following to be the only American species in the list of those unknown to the author.—W. G. B.]

Page.		Page.	
53	<b>Anodonta impura</b> <i>Say.</i>	53	<b>Anodonta placitus</b> <i>Hald.</i>
53	<b>lugubris</b> <i>Say.</i>		

[The following species of Rafinesque are omitted by Mr. Lea from his Synopsis, he not having been able to determine them. I give them all, not knowing if any foreign species are included.—W. G. B.]

Page.		Page.	
57	<b>Alasmodonta atropurpureum</b> Raf.?	57	<b>Unio depressa</b> Raf.?
	<b>badium</b> Raf.?	57	<b>diploderma</b> Raf.?
57	<b>oostata</b> Raf.?	57	<b>diaphanus</b> Raf.?
57	<b>hians</b> Raf.	57	<b>dilatata</b> Raf.?
57	<b>ponderosum</b> Raf.?	57	<b>ellipsaria</b> Raf.?
57	<b>papyraceum</b> Raf.?	57	<b>elliptica</b> Raf.?
57	<b>rugosum</b> Raf.?	57	<b>fasciata</b> Raf.?
57	<b>sulcatum</b> Raf.?	57	<b>fulvus</b> Raf.?
57	<b>scriptum</b> Raf.?	57	<b>fontinalis</b> Raf.?
57	<b>viridis</b> Raf.?	57	<b>fulgens</b> Raf.?
57	<b>Anodonta atra</b> Raf.?	57	<b>fasciola</b> Raf.?
57	<b>aperta</b> Raf.?	57	<b>fasciolaris</b> Raf.?
57	<b>cuneata</b> Raf.?	57	<b>flava</b> Raf.?
57	<b>digonota</b> Raf.?	57	<b>flexuosa</b> Raf.?
57	<b>inflata</b> Raf.?	57	<b>flexus</b> Raf.?
57	<b>lata</b> Raf.?	57	<b>fragilis</b> Raf.?
57	<b>Ohiensis</b> Raf.?	57	<b>gibbosa</b> Raf.?
57	<b>solenoides</b> Raf.?	57	<b>granulatus</b> Raf.?
57	<b>Unio antrosa</b> Raf.?	57	<b>interrupta</b> Raf.?
57	<b>atroviolacea</b> Raf.?	57	<b>lateralis</b> Raf.?
57	<b>argyratus</b> Raf.?	57	<b>latissima</b> Raf.?
57	<b>attenuata</b> Raf.?	57	<b>leptodon</b> Raf.?
57	<b>aurata</b> Raf.	57	<b>lævigata</b> Raf.?
57	<b>bicolor</b> Raf.?	57	<b>lamobrachys</b> Raf.?
57	<b>bullata</b> Raf.?	57	<b>lineolata</b> Raf.?
57	<b>biloba</b> Raf.	57	<b>lividus</b> Raf.?
57	<b>cardium</b> Raf.?	57	<b>megaptera</b> Raf.?
57	<b>Cliffordiana</b> Raf.?	58	<b>montanus</b> Raf.?
57	<b>calendis</b> Raf.?	58	<b>melaplata</b> Raf.?
57	<b>chloris</b> Raf.?	58	<b>nervosa</b> Raf.?
57	<b>castaneus</b> Raf.?	58	<b>nigra</b> Raf.?
57	<b>costata</b> Raf.?	58	<b>nodulata</b> Raf.?
57	<b>crassa</b> Raf.?	58	<b>obliquata</b> Raf.?
57	<b>cinerescens</b> Raf.?	58	<b>obovallis</b> Raf.?
57	<b>cordata</b> Raf.?	58	<b>olivaria</b> Raf.?
57	<b>cuneata</b> Raf.?	58	<b>ovata</b> Raf.?
57	<b>cyclips</b> Raf.?	58	<b>Paphos</b> Raf.?
57	<b>cuprea</b> Raf.?	58	<b>pachostea</b> Raf.?
57	<b>cyphia</b> Raf.?	58	<b>ponderosus</b> Raf.?
57	<b>decorticata</b> Raf.?	58	<b>pallida</b> Raf.?
		58	<b>plateolus</b> Raf.?

Page.		Page.	
58	<b>Unio pusella Raf.?</b>	58	<b>Unio teres Raf.?</b>
58	<b>pallens Raf.?</b>	58	<b>triangularis Raf.?</b>
58	<b>perplexus Raf.?</b>	58	<b>triqueter Raf.?</b>
58	<b>quadrula Raf.?</b>	58	<b>truncata Raf.?</b>
58	<b>reflexa Raf.?</b>	58	<b>tuberculata Raf.?</b>
58	<b>retusa Raf.?</b>	58	<b>verrucosa Raf.?</b>
58	<b>rimosus Raf.?</b>	58	<b>viridis Raf.?</b>
58	<b>rosea Raf.?</b>	58	<b>vittatus Raf.?</b>
58	<b>rivularis Raf.?</b>	58	<b>Venus Raf.?</b>
58	<b>stegaria Raf.?</b>	58	<b>zonalis Raf.?</b>
58	<b>sintoxia Raf.?</b>	58	<b>Odatella radiata Raf.?</b>
58	<b>sinuata Raf.?</b>	58	<b>Lasmonos fragilis Raf.?</b>
58	<b>solenoides Raf.?</b>	58	<b>Diplasma marginatæ Raf.?</b>
58	<b>striata Raf.?</b>	58	<b>similis Raf.?</b>
58	<b>subrotunda Raf.?</b>	58	<b>vitrea Raf.?</b>
58	<b>torulosa Raf.?</b>	58	<b>striata Raf.?</b>
58	<b>teneltus Raf.?</b>		

**Lea.**—Synopsis, &c. Second edition, 1836. With a frontispiece of *Unio spinosus*.

GENUS **MARGARITA**.

Subgenus **Unio**.

Page.		Page.	
	(SYMPHYNOTE.)		
	(b. <i>Smooth</i> .)	12	<b>Unio cœlatus Conrad.</b>
11	<b>Unio inflatus Lea.</b>	12	<b>multiplicatus Lea.</b>
	<i>Symph. inflata</i> Lea.		<i>U. heros</i> Say.
11	<b>alatus Say.</b>		<i>undulatus</i> Say.
	<i>U. alatus</i> Say.	12	<b>undulatus Barnes.</b>
	<i>Mya alata</i> Wood.		<i>U. costata?</i> Raf.
	<i>Symph. alata</i> Lea.		<i>costatus</i> Conrad.
11	<b>lævisaimus Lea.</b>	12	<b>plicatus Lescur.</b>
	<i>Symph. lævissima</i> Lea.		<i>U. Peruviana</i> Lam.
	<i>U. lævissima</i> Deshayes.		<i>rariPLICATA</i> Lam.
11	<b>gracilis Barnes.</b>		<i>Dombeyanus</i> Valen.
	<i>U. planus</i> Barnes.		<i>undulata</i> Desh.
	<i>fragilis</i> Swain.		<i>multiplicata</i> Desh.
	<i>Symph. gracilis</i> Lea.	12	<b>trapezoides Lea.</b>
11	<b>compressus Lea.</b>		<i>U. crassidens</i> Lam., var. a.
	<i>Symph. compressa</i> Lea.		<i>interruptus</i> Say.
	(NON-SYMPHYNOTE.)	13	<b>foliatus Hild.</b>
	(s. <i>Plicate</i> .)		<i>U. flexuosa?</i> Raf.
12	<b>Nicklinianus Lea.</b>		<i>flexuosus</i> Conrad.
			<i>foliatus</i> Conrad.

Page.		Page.	
13	<b>Unio pliciferus</b> <i>Lea.</i>	17	<b>Unio varicosus</b> <i>Lea.</i>
13	<b>subtentus</b> <i>Say.</i>		<i>U. cicatricosus?</i> <i>Say.</i>
13	<b>Conradicus</b> <i>Lea.</i>	17	<b>perplexus</b> <i>Lea.</i>
14	<b>acutissimus</b> <i>Lea.</i>		<i>U. gibbosus?</i> <i>Raf.</i>
	( <i>b. Nodulosus.</i> )		<i>gibbosus</i> <i>Conrad.</i>
14	<b>lachrymosus</b> <i>Lea.</i>	17	<b>tuberculatus</b> <i>Barnes.</i>
14	<b>asperrimus</b> <i>Lea.</i>	17	<b>cylindricus</b> <i>Say.</i>
	<i>U. quadrulus</i> <i>Say.</i>		<i>U. naviformis</i> <i>Lam.</i>
14	<b>fragrosus</b> <i>Conrad.</i>		( <i>c. Spinous.</i> )
15	<b>Phillipsii</b> <i>Conrad.</i>	17	<b>spinosus</b> <i>Lea.</i>
15	<b>pustulatus</b> <i>Lea.</i>		( <i>d. Smooth.</i> )
15	<b>Schoolcraftensis</b> <i>Lea.</i>	18	<b>arcæformis</b> <i>Lea.</i>
	<i>U. prasinus</i> <i>Conrad.</i>		<i>U. nexus</i> <i>Say.</i>
15	<b>apiculatus</b> <i>Say.</i>	18	<b>triangularis</b> <i>Barnes.</i>
15	<b>asper</b> <i>Lea.</i>		<i>U. formosus</i> <i>Lea.</i>
15	<b>stapes</b> <i>Lea.</i>		<i>cuneatus</i> <i>Swain.</i>
15	<b>metanever</b> <i>Lea.</i>	18	<b>elegans</b> <i>Lea.</i>
	<i>U. metanevra</i> <i>Raf.</i>	18	<b>donaciformis</b> <i>Lea.</i>
	<i>nodosus</i> <i>Barnes.</i>	18	<b>zigzag</b> <i>Lea.</i>
	<i>rugosus</i> <i>Barnes.</i>	18	<b>heterodon</b> <i>Lea.</i>
	<i>metanevra</i> <i>Conrad.</i>	19	<b>penitus</b> <i>Conrad.</i>
15	<b>cornutus</b> <i>Barnes.</i>	19	<b>securis</b> <i>Lea.</i>
	<i>U. reflexa?</i> <i>Raf.</i>		<i>U. depressa</i> <i>Raf.</i>
	<i>reflexus</i> <i>Conrad.</i>	19	<b>camelus</b> <i>Lea.</i>
15	<b>pustulosus</b> <i>Lea.</i>	19	<b>ovatus</b> <i>Say.</i>
	<i>U. verrucosus</i> <i>Bar., var. b.</i>		<i>U. ventricosus</i> <i>Desh.</i>
	<i>verrucosus</i> <i>Valen.</i>		<i>subovatus</i> <i>Desh.</i>
	<i>verrucosus albus</i> <i>Say.</i>		<i>occidens</i> <i>Desh.</i>
16	<b>turgidus</b> <i>Lea.</i>	19	<b>subovatus</b> <i>Lea.</i>
	<i>U. Mortoni</i> <i>Conrad.</i>	19	<b>crassidens</b> <i>Lam.</i>
16	<b>Cooperianus</b> <i>Lea.</i>		<i>U. cuneatus</i> <i>Barnes.</i>
16	<b>verrucosus</b> <i>Barnes.</i>		<i>niger?</i> <i>Raf.</i>
	<i>U. tuberculata?</i> <i>Raf.</i>		<i>niger</i> <i>Conrad.</i>
	<i>tuberculosa</i> <i>Valen.</i>	19.	<b>carbonarius</b> <i>Lea.</i>
	<i>verrucosus purpureus</i>	20	<b>gibber</b> <i>Lea.</i>
	<i>Hild.</i>	20	<b>pumilis</b> <i>Lea.</i>
	<i>tuberculatus</i> <i>Conrad.</i>	20	<b>rubiginosus</b> <i>Lea.</i>
16	<b>nodulosus</b> <i>Lea.</i>	20	<b>Barnesianus</b> <i>Lea.</i>
	<i>Mya nodulosa</i> <i>Wood.</i>	20	<b>pileus</b> <i>Lea.</i>
16	<b>irroratus</b> <i>Lea.</i>	20	<b>Sowerbianus</b> <i>Lea.</i>
	<i>U. verrucosus albus</i> <i>Hild.</i>	20	<b>solidus</b> <i>Lea.</i>
16	<b>dromas</b> <i>Lea.</i>	20	<b>obliqua</b> <i>Lam.</i>
17	<b>Æsopus</b> <i>Green.</i>		<i>U. undatus</i> <i>Barnes.</i>
	<i>U. cicatricosus</i> <i>Conrad.</i>		<i>trigonus</i> <i>Say.</i>
	<i>varicosus</i> <i>Conrad.</i>		

Page.		Page.	
	<i>U. mytiloides</i> Eat.		<i>U. ligamentina</i> Desh.
	<i>undulatus</i> Desh.	24	<b>Unio perovalis</b> Conrad.
	<i>cordatus?</i> Raf.	24	<i>capsæformis</i> Lea.
	<i>cordatus</i> Conrad.	24	<b>Greenii</b> Conrad.
21	<b>Unio pyramidatus</b> Lea.	24	<i>pictus</i> Lea.
	<i>U. rubra?</i> Raf.	24	<i>tæniatus</i> Conrad.
	<i>mytiloides</i> Conrad.	24	<b>interruptus</b> Lea.
21	<b>mytiloides</b> Raf.	24	<i>venustus</i> Lea.
	<i>Mya obliqua</i> Wood.	24	<b>crassus</b> Say.
21	<b>Troostensis</b> Lea.		<i>U. ellipticus</i> Barnes.
	<i>U. trabalis</i> Conrad.		<i>carinatus</i> Barnes.
21	<b>Taitianus</b> Lea.		<i>ligamentina</i> Lam.
21	<b>oor</b> Conrad.		<i>Mya gravis</i> Wood.
21	<b>decius</b> Lea.		<i>U. fasciatus</i> Conrad.
22	<b>clavus</b> Lam.	25	<b>orbiculatus</b> Hild.
	<i>U. scalenia</i> Raf.		<i>U. abruptus</i> Say.
	<i>modioliformis</i> Say.		<i>crassus</i> Conrad.
22	<b>patulus</b> Lea.	25	<b>Hydianus</b> Lea.
22	<b>Ravenelianus</b> Lea.	25	<b>luteolus</b> Lam.
22	<b>sulcatus</b> Lea.		<i>U. siliquoides</i> Barnes.
	<i>U. ridibundus</i> Say.		<i>inflatus</i> Barnes.
22	<b>Haysianus</b> Lea.	25	<b>pulcher</b> Lea.
22	<b>ellipsalis</b> Lea.	25	<b>radiatus</b> Lam.
22	<b>castaneus</b> Lea.		<i>U. Virginiana</i> Lam.
22	<b>Tampicoensis</b> Lea.		<i>Mya radiata</i> Gmel.
23	<b>Lecontianus</b> Lea.		<i>oblongata</i> Wood.
23	<b>perdix</b> Lea.		<i>pictorum tenuis</i> Chem.
23	<b>pectorosus</b> Conrad.	26	<b>Medellinus</b> Lea.
23	<b>ventricosus</b> Barnes.	26	<b>notatus</b> Lea.
23	<b>occidens</b> Lea.	26	<b>Vanuxemensis</b> Lea.
	<i>U. ventricosus</i> Say.	26	<b>Nashvillianus</b> Lea.
23	<b>globosa</b> Lea.	26	<b>Zeliglerianus</b> Lea.
	<i>Symph. globosa</i> Lea.	26	<b>lienosus</b> Conrad.
	<i>U. capax?</i> Green.	26	<b>obscurus</b> Lea.
23	<b>ochraceus</b> Say.	27	<b>Cumberlandianus</b> Lea.
	<i>Symph. ochracea</i> Lea.	27	<b>vibex</b> Conrad.
23	<b>splendidus</b> Lea.	27	<b>Muhlfeldianus</b> Lea.
23	<b>cariosus</b> Say.	28	<b>creperus</b> Lea.
	<i>U. cariosa</i> Lam.	28	<b>glaber</b> Lea.
	<i>ocata</i> Valen.	28	<b>Hildrethianus</b> Lea.
	<i>luteola</i> Conrad.		<i>Alas. ambigua?</i> Say.
24	<b>perovatus</b> Conrad.	28	<b>fabalis</b> Lea.
24	<b>aitilis</b> Conrad.		<i>U. capillus</i> Say.
24	<b>multiradiatus</b> Lea.		<i>lapillus</i> Say.
	<i>U. fasciola?</i> Raf.	28	<b>parvus</b> Barnes.
	<i>fasciolus</i> Conrad.		<i>U. parvus</i> Conrad.

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| <p>Page.</p> <p>28 <b>Unio glans</b> <i>Lea.</i></p> <p>29 <b>brevidens</b> <i>Lea.</i></p> <p>30 <b>tetralasmus</b> <i>Say.</i></p> <p>30 <b>camptodon</b> <i>Say.</i><br/><i>U. declivis</i> Conrad.</p> <p>30 <b>obesus</b> <i>Lea.</i></p> <p>30 <b>Hopetonensis</b> <i>Lea.</i></p> <p>30 <b>Roanokensis</b> <i>Lea.</i></p> <p>30 <b>jejunus</b> <i>Lea.</i></p> <p>30 <b>complanatus</b> <i>Lea.</i><br/><i>Mya complanata</i> Sol.<br/><i>rigida</i> Wood.<br/><i>U. violaceus</i> Spangler.<br/><i>purpureus</i> Say.<br/><i>rarisulcata</i> Lam.<br/><i>coarctata</i> Lam.<br/><i>purpurascens</i> Lam.<br/><i>rhomula</i> Lam.<br/><i>carinifera</i> Lam.<br/><i>Georgina</i> Lam.<br/><i>glabrata</i> Lam.<br/><i>sulcidens</i> Lam.<br/><i>sturiatilis</i> Green.</p> <p>31 <b>Griffithianus</b> <i>Lea.</i></p> <p>31 <b>confertus</b> <i>Lea.</i></p> <p>31 <b>pallatus</b> <i>Ravenel's letter.</i></p> <p>31 <b>Watereensis</b> <i>Lea.</i><br/><i>U. Raveneli</i> Conrad.</p> <p>32 <b>fulvus</b> <i>Lea.</i><br/><i>U. icterinus</i> Conrad.</p> <p>32 <b>Congaræus</b> <i>Lea.</i></p> <p>32 <b>declivis</b> <i>Say.</i><br/><i>U. geometricus</i> <i>Lea.</i></p> <p>32 <b>Blandingianus</b> <i>Lea.</i></p> <p>33 <b>circulus</b> <i>Lea.</i><br/><i>Mya rotunda?</i> Wood.</p> <p>33 <b>lens</b> <i>Lea.</i></p> <p>33 <b>rubellus</b> <i>Conrad.</i></p> <p>33 <b>Masoni</b> <i>Conrad.</i></p> <p>33 <b>rotundatus</b> <i>Lam.</i><br/><i>U. suborbiculata</i> Lam.<br/><i>glebulus</i> Say.<br/><i>subglobofus</i> <i>Lea.</i></p> <p>33 <b>personatus</b> <i>Say.</i><br/><i>U. capillaris</i> <i>Lea.</i></p> | <p>Page.</p> <p>34 <b>Unio retusus</b> <i>Lam.</i><br/><i>U. torsa</i> Raf.</p> <p>34 <b>ebenus</b> <i>Lea.</i><br/><i>U. mytiloides</i> Conrad.</p> <p>34 <b>maculatus</b> <i>Conrad.</i></p> <p>34 <b>Kirtlandianus</b> <i>Lea.</i></p> <p>34 <b>subrotundus</b> <i>Lea.</i><br/><i>U. politus?</i> Say.<br/><i>brevialus?</i> Crouch.</p> <p>34 <b>infucatus</b> <i>Conrad.</i></p> <p>34 <b>coccineus</b> <i>Lea.</i><br/><i>U. coccineus</i> Hildreth's<br/>letter, Conrad.<br/><i>catillus</i> Conrad.</p> <p>34 <b>Shepardianus</b> <i>Lea.</i></p> <p>34 <b>folliculatus</b> <i>Lea.</i></p> <p>34 <b>rectus</b> <i>Lam.</i><br/><i>U. praelongus</i> Barnes.<br/><i>recta</i> Valen.<br/><i>Sageri?</i> Conrad.<br/><i>Mya praelonga</i> Wood.</p> <p>35 <b>dehiscens?</b> <i>Say.</i><br/><i>U. oriens</i> <i>Lea.</i></p> <p>35 <b>angustatus</b> <i>Lea.</i></p> <p>35 <b>lanceolatus</b> <i>Lea.</i></p> <p>35 <b>anodontoides</b> <i>Lea.</i><br/><i>U. teres?</i> Raf.<br/><i>teres</i> Conrad.</p> <p>37 <b>productus</b> <i>Conrad.</i></p> <p>37 <b>nasutus</b> <i>Say.</i><br/><i>U. rostratus</i> Valen.<br/><i>Mya nasuta</i> Wood.<br/><i>U. subrostratus?</i> Say.</p> <p>37 <b>Fisherianus</b> <i>Lea.</i></p> <p>37 <b>Jayensis</b> <i>Lea.</i></p> <p>37 <b>lugubris</b> <i>Lea.</i></p> <p>37 <b>iris</b> <i>Lea.</i><br/><i>U. nebulosus</i> Conrad.</p> <p>38 <b>tenuissimus</b> <i>Lea.</i><br/><i>Symph. tenuissima</i> <i>Lea.</i><br/><i>An. purpurascens</i> Swain.<br/><i>U. velum</i> Say.</p> <p>38 <b>phaseolus</b> <i>Hild.</i><br/><i>U. planulatus</i> <i>Lea.</i><br/><i>cuneatus</i> Barnes.</p> |
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Page.		Page.	
38	<b>Unio arcus</b> Conrad.		<i>U. ater</i> Lea.
38	<b>arctatus</b> Conrad.		<i>lugubris</i> Say.
38	<b>gibbosus</b> Barnes.		<i>Poulsoni</i> Conrad.
	<i>U. mucronatus</i> Barnes.	39	<b>Unio cuprinus</b> Lea.
	<i>nasuta</i> Lam.		<i>U. metallicus</i> Say.
	<i>dilatata?</i> Raf.	39	<b>modioliformis</b> Lea.
	<i>dilatatus</i> Conrad.		<i>U. delumbis</i> Conrad.
39	<b>arctior</b> Lea.	39	<b>tenerus</b> Rav.
39	<b>Vaughanlanus</b> Lea.		<i>U. tenebrosus</i> Conrad.
	<i>U. Carolinensis</i> Rav. lett.	39	<b>Tappanianus</b> Lea.
39	<b>purpuratus</b> Lam.	39	<b>stramineus</b> Conrad.
	<i>Mya ventricosa</i> Solan.	40	<b>monodontus</b> Say.
			<i>U. soleniformis</i> Lea.

[The following species are known to the author by name only.—W. G. B.]

Page.		Page.	
41	<b>Unio Grœnlandicus</b> Schrôt.	41	<b>Unio oviformis</b> Conrad.
41	<b>purpuratus</b> Say.	41	<b>furvus</b> Conrad.

#### Subgenus **Margaritana**.

	(SYMPHYNOTE.)		<i>Alas. sculptilis</i> (y'ng) Say.
	(a. <i>Plicate</i> .)		<i>Mya undulata</i> Wood.
43	<b>Margaritana complanata</b> Lea.		<i>Unio hians</i> Valen.
	<i>Alas. complanata</i> Barnes.		<i>glabratus</i> Sowb.
	<i>Symph. complanata</i> Lea.	44	<b>Margaritana Raveneliana</b>
	(NON SYMPHYNOTE.)		Lea.
	(a. <i>Plicate</i> .)	44	<b>radiata</b> Lea.
43	<b>confragosa</b> Lea.		<i>Alas. radiata</i> Conrad.
	<i>Alas. confragosa</i> Say.	45	<b>calceola</b> Lea.
43	<b>arcula</b> Lea.		<i>Unio calceolus</i> Lea.
43	<b>marginata</b> Lea.		<i>Alas. marginata</i> Say.
	<i>Alas. marginata</i> Say.		<i>truncata</i> Conrad.
	<i>truncata</i> Say.	45	<b>margaritifera</b> Lea.
	<i>Unio cariosa</i> Lam. (var. 2.)		<i>Mya margaritifera</i> Linn.
	<i>varicosa</i> Lam.		<i>Margaritana fluviatilis</i>
	<i>calceolus</i> Say.		Schum.
	<i>Mya regulosa</i> Wood.		<i>Unio elongata</i> Lam.
44	<b>rugosa</b> Lea.		<i>sinuata</i> Pfeif.
	<i>Alas. rugosa</i> Barnes.		<i>Roissyi</i> Mich.
	<i>abducta</i> Say.		<i>margaritifera</i> Pfeif.
	(b. <i>Smooth</i> .)		<i>rivalis</i> Zeig.
44	<b>deltoides</b> Lea.		<i>Al. margaritifera</i> Flem.
44	<b>undulata</b> Lea.		<i>arcuata</i> Barnes.
	<i>Alas. undulata</i> Say.	46	<b>Holstonia</b> Lea.
		46	<b>fabula</b> Lea.

Subgenus **Anodonta**.

Page.		Page.	
	(SYMPHYNOTE.)		<i>Myt. illitus</i> Soland.
	(a. <i>Smooth</i> .)		<i>A. cataracta</i> Say.
48	<b>Anodonta Benedictensis</b> Lea.		<i>implicata?</i> Say.
	<i>Symph. Benedictensis</i> Lea.		<i>teres</i> Conrad.
	(NON-SYMPHYNOTE.)	51	<b>Anodonta glauca</b> Valen.
	(b. <i>Smooth</i> .)		<i>A. glauca</i> Lam.
50	<b>fragilis</b> Lam.	52	<b>ovata</b> Lea.
50	<b>undulata</b> Say.	52	<b>plana</b> Lea.
	<i>Anodon rugosus</i> Swain.		<i>A. declivis</i> Conrad.
	<i>Anodonta Pennsylvanica</i>	52	<b>decora</b> Lea.
	Lam.	52	<b>gigantea</b> Lea.
50	<b>Wardiana</b> Lea.	52	<b>subveza</b> Conrad.
	<i>A. virgata</i> Conrad.	52	<b>Stewartiana</b> Lea.
50	<b>edentula</b> Lea.	52	<b>globosa</b> Say.
	<i>Alas. edentula</i> Say.		<i>A. inflata</i> Maj. LeConte's
	<i>Anodon areolatus</i> Swain.	52	cabinet.
51	<b>Ferussaciana</b> Lea.	52	<b>grandis</b> Say.
51	<b>salmonia</b> Lea.		<i>A. corpulenta</i> Coop.
51	<b>incerta</b> Lea.	52	<b>suborbiculata</b> Say.
51	<b>fluvialilis</b> Lea.	54	<b>cylindracea</b> Lea.
	<i>Myt. fluvialilis</i> Soland.	54	<b>Buchanensis</b> Lea.

[The following species are unknown to the author.—W. G. B.]

Page.		Page.	
54	<b>Anodonta imbecilis</b> Say.	54	<b>Anodonta impura</b> Say.
54	<b>lugubris</b> Say.		

[A list of uncertain species of Rafinesque is given on pp. 58 and 59. It is the same as copied from the third edition.—W. G. B.]

In the Addenda, *Anodonta marginata* Say = **A. fluvialilis**.

**Unio Dorfeuillianus** Lea.  
*graniferus* Lea.  
*Rangianus* Lea.  
*Menkianus* Lea.  
*discus* Lea.  
*contradens* Lea.

**Anodonta Nuttalliana** Lea.  
*Wahlamatensis* Lea.  
*Oregonensis* Lea.  
*pavonia* Lea.  
*Newtonensis* Lea.

**Adams.**—Shells: by Prof. C. B. ADAMS. From the Exploration of the Red River of Louisiana, by Capt. Marcy. Washington, 1854.

[No descriptions are given. The particular localities are noted.]

Page.	Name.	Locality.
242	<i>Unio asperimus</i> Lea.	Otter creek, lat. 34° 35' N.,
242	—————	long. 100° W.
243	<i>tuberculatus</i> Barnes.	Otter creek.
243	<i>anodontoides</i> Lea.	Otter creek.
243	<i>parvus</i> Barnes.	Otter creek.
243	<i>Hydianus</i> Lea.	Fort Washita.
243	<i>lævissimus</i> Lea.	Otter creek?
243	<i>gracilis</i> Barnes.	Otter creek.
243	<i>Cyclas distorta</i> Prime.	Otter creek.
243	<i>Bulimus liquabilis</i> Reeve.	Otter creek.
243	<i>Physa ancillaria</i> Say.	Otter creek.
244	<i>heterostropha</i> Say.	Otter creek.
244	<i>Limnæa caperata</i> Say.	One day from Cache creek.
244	<i>Planorbis lentus</i> Say.	One day from Cache cr., &c.

Also—Notes on the geographical distribution of the above.

**Schumard.**—Notices of Additional Species of Shells: by G. C. SCHUMARD, M. D.

Page.	Name.	Locality.
244	<i>Unio anodontoides</i> Lea.	Little Witchita, &c.
244	<i>rugosus</i> Barnes.	Little Witchita.
245	<i>silliquoides</i> Barnes.	Near Otter creek.
245	<i>lævissimus</i> Lea.	Otter creek.
245	<i>Anodonta imbecillis</i> Say.	Beaver creek, &c.
245	<i>Planorbis trivolvus</i> Say.	
245	<i>Physa gyrina</i> Say.	Beaver cr., Choctaw nation.
245	<i>Succinea avara</i> Say.	Otter cr., Choctaw nation.
245	<i>Cyclas partumeia</i> Say.	Otter and Beaver creeks.
245	<i>Bulimus dealbatus</i> Say.	Texas.

**Stimpson.**—Synopsis of the Marine Invertebrata of Grand Manan, or the region about the mouth of the Bay of Fundy, New Brunswick: by WILLIAM STIMPSON. (Smithsonian Contributions to Knowledge, vol. vi. Washington, 1854.)

[Descriptions of new species are given in full, with notes on those previously known.]

Page.		Page.	
19	<b>Ascidia callosa</b> <i>Stimp.</i>	21	<b>Maetra ponderosa</b> <i>Phil.</i>
20	<i>tenella</i> <i>Stimp.</i>	21	<i>solidissima</i> <i>Chemn.</i>
20	<i>geometrica</i> <i>Stimp.</i>	21	<b>Tellina fusca</b> <i>Phil.</i>
20	<b>Glandula fibrosa</b> <i>Stimp.</i>	21	<i>proxima</i> <i>Brown.</i>
20	<i>mollis</i> <i>Stimp.</i>	21	<b>Solen ensis</b> <i>Linn.</i>
20	<b>Cynthia pyriformis</b> <i>Rathke.</i>	21	<b>Thracia truncata</b> <i>Mighels.</i>
20	<i>echinata</i> <i>Stimp.</i>	21	<i>myopsis</i> <i>Beck.</i>
20	<b>Boltenia rubra</b> <i>Stimp.</i>		<i>T. Couthouyi</i> <i>Stimp.</i>
20	<i>reniformis</i> (?) <i>McLeay.</i>	21	<i>Conradi</i> <i>Couth.</i>
20	<b>Terebratula septentrionalis</b>	21	<b>Lyonsia hyalina</b> <i>Conrad.</i>
	<i>Couth.</i>	21	<b>Pandora trilineata</b> <i>Say.</i>
20	<b>Anomia ephippium</b> <i>Linn.</i>	21	<b>Næra pellucida</b> <i>St.</i> (fig. 13.)
20	<i>aculeata</i> <i>Gmelin.</i>	22	<b>Panopæa Norvegica</b> <i>Lovén.</i>
20	<b>Pecten Magellanicus</b> <i>Lam.</i>	22	<b>Mya truncata</b> <i>L.</i>
20	<i>Islandicus</i> <i>Müll.</i>	22	<i>arenaria</i> <i>L.</i>
20	<b>Nucula proxima</b> <i>Say.</i>	22	<b>Saxicava rugosa</b> <i>Lam.</i>
20	<i>tenuis</i> <i>Turton.</i>	22	<i>arctica</i> <i>Desh.</i>
20	<i>delphinodonta</i> <i>Mighels.</i>	22	<b>Pholas crispata</b> <i>L.</i>
20	<b>Leda thracæformis</b> <i>Stimp.</i>	22	<b>Dentalium striolatum</b> <i>Stimp.</i>
20	<i>sapotilla</i> <i>Stimp.</i>	22	<b>Chiton albus</b> <i>L.</i>
20	<i>myalis</i> <i>Stimp.</i>	22	<i>ruber</i> <i>L.</i>
20	<i>lmatula</i> <i>Stimp.</i>	22	<i>marmoreus</i> <i>O. Fabr.</i>
21	<i>tenuisulcata</i> <i>Stimp.</i>	22	<i>mendicarius</i> <i>Mighels.</i>
21	<b>Mytilus decussatus</b> <i>Stimp.</i>	22	<b>Pilidium œcum.</b>
21	<i>corrugata</i> <i>Stimp.</i>		<i>Patella cæca</i> <i>Müll.</i>
21	<i>discors</i> <i>L.</i>		<i>candida</i> <i>Couth.</i>
21	<i>levigatus</i> <i>Stimp.</i>		<i>Pilidium candidum</i> <i>Stimp.</i>
21	<i>discrepans</i> <i>Mont.</i>	22	<b>Tectura testudinalls</b> <i>Gray.</i>
21	<i>modiolus</i> <i>L.</i>	22	<b>Calyptrea striata</b> <i>Say.</i>
21	<i>edulis</i> <i>L.</i>	22	<b>Diadora Noachina</b> <i>Gray.</i>
21	<b>Thyasira Gouldii</b> <i>Stimp.</i>	23	<b>Trochus occidentale</b> <i>Mighels.</i>
21	<b>Cardita borealis</b> <i>Conrad.</i>	23	<b>Margarita cinerea</b> <i>Gould.</i>
21	<b>Astarte sulcata</b> <i>Flem.</i>	23	<i>obscura</i> <i>Gould.</i>
21	<i>quadrans</i> <i>Gould.</i>	23	<i>undulata</i> <i>Sowb.</i>
21	<b>Cyprina Islandica</b> <i>Lam.</i>	23	<i>argentata</i> <i>Gould.</i>
21	<b>Cardium Islandicum</b> <i>Linn.</i>	23	<i>helicina</i> <i>Möll.</i>
21	<i>pinnulatum</i> <i>Conrad.</i>	23	<i>acuminata</i> <i>Sowb.</i>

Page.		Page.	
23	<i>Adeorbis costulata</i> Stimp.	24	<i>Tritonium decemcostatum</i> Midd.
23	<i>Littorina rudis</i> Gould.		
23	<i>litoralis</i> F. & H.	24	<i>pygmæum</i> Stimp.
23	<i>Lacuna vincta</i> Turton.	24	<i>clathratum</i> Müll.
23	<i>Rissoa eburnea</i> Stimp.	24	<i>Fasciolaria ligata</i> Mighels.
23	<i>aculeus</i> Stimp.	24	<i>Columbella rosacea</i> Stimp.
23	<i>Mighelsii</i> Stimp.	24	<i>dissimilis</i> Stimp.
23	<i>pelagica</i> Stimp.	24	<i>Mangelia turricula</i> F. & H.
23	<i>Turritella costulata</i> Mighels.	24	<i>pyramidalis</i> Stimp.
23	<i>erosa</i> Couth.	25	<i>cancellata</i> Stimp.
23	<i>acicula</i> Stimp.	25	<i>decussata</i> Stimp.
23	<i>Aporrhais occidentalis</i> Beck.	25	<i>Bulla hiemalis</i> Couth.
23	<i>Scalaria Grœnlandica</i> Gould.	25	<i>triticea</i> Couth.
23	<i>Menestho albula</i> Möll.	25	<i>pertenuis</i> Mighels.
23	<i>Chemnitzia nivea</i> Stimp.	25	<i>debilis</i> Gould.
24	<i>Natica flava</i> Gould.	25	<i>Philine lineolata</i> Stimp.
24	<i>heros</i> Say.	25	<i>Canthopsis Havardiensis</i> Agassiz.
24	<i>triseriata</i> S.		
24	<i>Grœnlandica</i> Beck.	25	<i>Eolis farinacea</i> Gould, MS.
24	<i>immaculata</i> Totten.	25	<i>stellata</i> Stimp. (n. sp.)
24	<i>clausa</i> Brod. & Sowb.	25	<i>purpurea</i> Stimp. (n. sp.)
24	<i>Velutina hallotoides</i> Möll.	26	<i>diversa</i> Couth.
24	<i>zonata</i> Gould.	26	<i>Mananensis</i> Stimp.
24	<i>Lamellaria perspicua</i> Lovèn.	26	<i>Doto coronata</i> Lovèn.
24	<i>Admete viridula</i> Stimp.	26	<i>Dendronotus arborescens</i> A. & H.
24	<i>Trichotropis borealis</i> Br. &		
24	<i>Purpuralapillus</i> Lam. [Sowb.	26	<i>Ancula sulphurea</i> Stimp.
24	<i>Nassa trivittata</i> S.	26	<i>Doris planulata</i> St. (fig. 14.)
24	<i>Buccinum undatum</i> L.	26	<i>pallida</i> Agassiz.
24	<i>Tritonium Islandicum</i> Lovèn.	27	<i>Loligo Bartramii</i> (?) Les.

**Prime.**—Descriptions of three new species of *Pisidium*: by TEMPLE PRIME. (From Annals of the New York Lyceum of Natural History, vol. vi. March, 1854.)

Page.	Plate.	Fig.	Name.	Locality.
64	i	1	<i>Pisidium cicer</i> Prime.	Washington Co., N. Y.
65	i	2	<i>contortum</i> Prime.	Pittsfield, Mass.
65	i	3	<i>Noveboracense</i> Prime.	Washington and Herkimer Counties, N. Y.

**Prime.**—On the identity of *Cyclas elegans* Adams with *Cyclas rhomboidea* Say: by TEMPLE PRIME. (From same, p. 66.)

**Anthony.**—Descriptions of new Fluvial shells of the Genus  
*Melania* of Lamarck from the Western States of North America:  
 by J. G. ANTHONY, Esq. (From same.)

Page.	Plate.	Fig.	Name.	Locality.
83	ii	1	<b><i>Melania athleta</i> Anthony.</b>	Tennessee.
84	ii	2	<i>viridula</i> Anthony.	Tennessee.
85	ii	3	<i>hastata</i> Anthony.	Alabama.
86	ii	4	<i>lota</i> Anthony.	Ohio?
87	ii	5	<i>altipeta</i> Anthony.	Raccoon creek, Ohio.
88	ii	6	<i>latitans</i> Anthony.	Mammoth cave, Ky.
89	ii	7	<i>vittata</i> Anthony.	Alabama.
90	ii	8	<i>nigrocincta</i> Anthony.	Tennessee.
91	ii	9	<i>subangulata</i> Anthony.	Alabama.
92	ii	10	<i>brunnea</i> Anthony.	Alabama.
93	ii	11	<i>virens</i> Anthony.	Alabama.
93	ii	12	<i>ampla</i> Anthony.	Alabama.
94	ii	13	<i>ambusta</i> Anthony.	Alabama.
95	ii	14	<i>arachnoidea</i> Anthony.	London, Tenn.
97	ii	15	<i>eliminata</i> Anthony.	Owenboro', Ky.
98	ii	16	<i>baculum</i> Anthony.	Tennessee.
99	ii	17	<i>incrassata</i> Anthony.	— ?
99	ii	18	<i>excavata</i> Anthony.	Alabama
100	ii	19	<i>casta</i> Anthony.	Alabama.
101	ii	20	<i>textilosa</i> Anthony.	Georgia.
102	iii	1	<i>curvilabris</i> Anthony.	Tennessee.
103	iii	2	<i>elegantula</i> Anthony.	Kentucky.
104	iii	3	<i>pupoidea</i> Anthony.	Alabama.
105	iii	4	<i>tecta</i> Anthony.	Ohio.
105	iii	5	<i>imbricata</i> Anthony.	Alabama.
106	iii	6	<i>pagodiformis</i> Anthony.	Battle creek, Tenn.
107	iii	7	<i>eximia</i> Anthony.	Tennessee.
108	iii	8	<i>cristata</i> Anthony.	Alabama.
109	iii	9	<i>proscissa</i> Anthony.	Alabama.
110	iii	10	<i>torulosa</i> Anthony.	Tennessee.
111	iii	11	<i>planogyra</i> Anthony.	Alabama.
112	iii	12	<i>gradata</i> Anthony.	Alabama.
113	iii	13	<i>fastigiata</i> Anthony.	Tennessee
114	iii	14	<i>vicina</i> Anthony.	Alabama.
115	iii	15	<i>pallidula</i> Anthony.	Tennessee.
116	iii	16	<i>rhombica</i> Anthony.	Alabama.
April, 1854.				
117	iii	17	<i>angulata</i> Anthony.	Tennessee.
118	iii	18	<i>tabulata</i> Anthony.	Tennessee.

## BIBLIOGRAPHY OF

Page.	Plate.	Fig.	Name.	Locality.
119	iii	19	<b>Melania clara</b> <i>Anthony.</i>	Alabama.
120	iii	20	<b>fusco-cincta</b> <i>Anthony.</i>	Alabama.
121	iii	21	<b>plena</b> <i>Anthony.</i>	Alabama.
122	iii	22	<b>compacta</b> <i>Anthony.</i>	Alabama.
123	iii	23	<b>glans</b> <i>Anthony.</i>	Tennessee.
123	iii	24	<b>planospira</b> <i>Anthony.</i>	Tennessee.
124	iii	25	<b>undosa</b> <i>Anthony.</i>	Nolen river, Ky.
125	iii	26	<b>consanguinea</b> <i>Anthony.</i>	Indiana.
126	iii	27	<b>coronilla</b> <i>Anthony.</i>	Tennessee.
127	iii	28	<b>corpulenta</b> <i>Anthony.</i>	Alabama.
128	iii	29	<b>neglecta</b> <i>Anthony.</i>	Dayton, Ohio.
129	i	5	<b>gracillor</b> <i>Anthony.</i>	Stark, Co., Ohio.
			<i>M. gracilis</i> <i>Anthony, preoc.</i>	

**Redfield.**—Descriptions of new species of Shells: by JOHN H. REDFIELD. (From same, April, 1854.)

Pa.	Pl.	Fig.	Name.	Locality.
130	i	6	<b>Anculosa Anthonyi</b> <i>Budd MS.</i>	Holston riv., Knoxville, Ten.

**Anthony.**—Descriptions of new species of *Ancylus* and *Anculosa* from the Western States of North America: by JOHN G. ANTHONY. (From same, October, 1855.)

Page.	Plate.	Fig.	Name.	Locality.
158	v	20-21	<b>Ancylus elatior</b> <i>Anthony.</i>	Green river, Ky.
158	v	22-23	<b>Anculosa ampla</b> <i>Anthony.</i>	Alabama.

**Redfield.**—Descriptions of two new species of North American Helicidæ: by JOHN H. REDFIELD. (From same, Dec., 1856.)

Page.	Plate.	Fig.	Name.	Locality.
170	ix	8-10	<b>Helix Elliotti</b> <i>Redfield.</i>	Georgia and N. C.
171	ix	4-7	<b>barbigera</b> <i>Redfield.</i>	Habersham Co., Ga.

**Wailes.**—Catalogue of Mollusca: by B. L. C. WAILES. (From Geological Report of Mississippi, 1854.)

Page.		Page.	
338	<b>Unio anodontoides.</b>	338	<b>Unio circulus.</b>
338	<b>asperrimus.</b>	338	<b>globosus.</b>
338	<b>cylindricus.</b>	338	<b>glans.</b>

Page		Page	
338	<b>Unio hydranus.</b>	338	<b>Unio rectus.</b>
338	heros.	338	aliquoides.
338	inflata.	338	subovatus.
338	lens.	338	trapezoides.
338	Mississippiensis.	338	trigonus.
338	multiplicatus.	338	tuberculatus.
338	nodiferus.	338	<b>Anodonta grandis.</b>
338	nobilis.	338	plana.
338	nasutus.	338	suborbiculatus.
338	nodulatus.	338	decora.
338	obesus.	338	<b>Stewartiana.</b>
338	plicatus.	339	<b>Helix alternata.</b>
338	perplicatus.	339	auriculata.
338	porrectus.	339	fraterna.
338	purpuratus.	339	hirsuta.
338	pustulosus.	339	interna.
338	pustulatus.	339	pulchella.
338	quadrulus.	339	tridentata.

**Bland.**—Descriptions of two new species of North American Helicidæ: by THOMAS BLAND. (From Annals N. Y. Lyceum, February, 1858.) And, Remarks on certain species of North American Helicidæ.

[These papers are also printed in pamphlet form, with the title of "Remarks on certain species of North American Helicidæ, with descriptions of new species." New York: H. Baillière. The original work and pamphlet are both quoted. The numbering of the plate is the same in each.]

February, 1858.

ANNALS.				REMARKS.		Name.
Vol.	Page.	Pl.	Fig.	Pt.	Page.	
vi	277	ix	14-16	1	1	<b>Helix Edvardsi Bland.</b> Fayette or Green Briar Co., Va.
vi	279	ix	11-13	1	3	<b>sculptilis Bland.</b> Anantehely Mountains, N. C.
vi	283	ix	17-20	1	7	<b>fatigiata Say.</b> <i>H. Dorfeuilliana</i> Desh. <i>Texasiana</i> Desh.
vi	288	ix	21-23	1	12	<b>Troostiana Lea.</b> <i>H. fatigiata</i> Binney. <i>plicata</i> Binney. <i>Polygyra Troostiana</i> Lea.



ANNALS.				REMARKS.		Name.
Vol.	Page.	Pl.	Fig.	Pt.	Page.	
vi	291	ix	27-30	1	15	<b>Helix Hazardi</b> Bland. <i>Polygyra plicata</i> Say. <i>Troostiana</i> W. G. Binney. <i>H. Texasiana</i> Pfr. <i>Dorfeulliana</i> Desh. <i>fatigiata</i> Binney.
vi	294	ix	24-26	1	18	<b>Dorfeulliana</b> Lea. <i>Polygyra Dorfeulliana</i> Lea. <i>H. fatigiata</i> Binney.
vi	299			1	23	<b>Pennsylvanica</b> Green. <i>H. Mitchelliana</i> Desh.

September, 1858.

ANNALS.		REMARKS.		Name.	Locality.
Vol.	Page.	Pt.	Page.		
vi	336	1	27	<b>Helix clausa</b> Say. <i>H. Pennsylvanica</i> Pfr. <i>Mitchelliana</i> Chemn.	
vi	339	1	29	<b>Mitchelliana</b> Lea. <i>H. clausa</i> De Kay.	
vi	341	1	31	<b>jejuna</b> Say. <i>H. Mobiliana</i> Lea.	
vi	344	1	34	<b>porcina</b> Say (with a fig.) <i>H. hirsuta</i> Binney. <i>inflecta</i> ?	
vi	348	1	36	<b>pustula</b> Fer. (with a fig.) <i>H. leporina</i> W. G. Binney.	
vi	348	1	39	<b>leporina</b> Gould. <i>H. pustula</i> Pfr. (var.)	
vi	350	1	40	<b>pustuloides</b> Bland. <i>H. pustula</i> Binney, non Fer.	
vi	352	1	42	<b>glaphyra</b> Say (with a fig.)	
vi	358	1	49	<b>albolabris</b> Say. <i>H. major</i> Binney.	

December, 1858.

vii	26	2	55	<b>Helix auriculata</b> Say (fig.)	St. Augustine, Florida.
vii	30	2	59	<b>avara</b> Say (with a fig.)	St. John's river, Fla.
vii	34	2	63	<b>uvulifera</b> Shuttl. (fig.) <i>H. florulifera</i> Reeve.	Corpus Christi.
vii	35	2	64	<b>Postelliana</b> Bland (fig.)	Ga., various localities.
vii	37	2	66	<b>auriformis</b> Bland (fig.) <i>H. auriculata</i> Binney. <i>avara</i> Reeve.	Ga., Texas, Alabama.

**Trask.**—Proceedings of the California Academy of Natural Sciences, vol. i. San Francisco. Dr. J. B. TRASK. (Feb. 1855.)  
Descriptions of—

Page.	Name.	Locality.
28	<i>Anodonta Randallii</i> Trask.	Upper San Joaquin.
29	<i>triangularis</i> Trask.	Sacramento river.
29	<i>rotundovata</i> Trask.	Sacramento valley.
30	<i>Alasmodonta Yubaensis</i> Trask.	Yuba river.

**Holmes.**—Description of a new species of *Ostrea* found living in the waters of the Coast of South Carolina: by FRANCIS S. HOLMES. (Proc. of Elliott Soc. of Nat. Hist. of Charleston, S. C., vol. i. p. 29. June, 1856.)

Page.	Name.	Locality.
29	<i>Ostrea triangularis</i> Holmes.	Edisto river.

**Chickering.**—List of Marine, Fresh-water, and Land Shells found in the vicinity of Portland, Maine: by J. W. CHICKERING, Jr.

[No date, but published in 1855 or 1856.—W. G. B.]

No.	MARINE SHELLS.	No.	
3	<i>Anomia aculeata</i> Gmelin.	26	<i>Chiton albus</i> Mont.
4	<i>ephippium</i> Linn.	27	<i>Emersonii</i> Couth.
5	<i>Astarte castanea</i> Say.	28	<i>fulminatus</i> Couth.
6	<i>quadrans</i> Gould.	29	<i>ruber</i> Lowe.
7	<i>undata</i> Gould.	30	<i>Cingula aculeus</i> Gould.
13	<i>Buccinum obsoletum</i> Say.	31	<i>arenaria</i> Mont.
14	<i>plicosum</i> Menke.	32	<i>latior</i> Mighels.
15	<i>rosaceum</i> Gould.	33	<i>minuta</i> Totten.
16	<i>trivittatum</i> Say.	34	<i>semicostata</i> Mont.
17	<i>undatum</i> Linn.	35	<i>Cochlodesma Leana</i> Conrad.
18	<i>Bulla debilis</i> Gould.	36	<i>Crepidula fornicata</i> Linn.
19	<i>pertenuis</i> Mighels.	37	<i>plana</i> Say.
20	<i>triticea</i> Couth.	38	<i>Cyprina Islandica</i> Linn.
21	<i>Calyptrea striata</i> Say.	39	<i>Dentalium entale</i> Linn.
22	<i>Cardita borealis</i> Conrad.	40	<i>Fusus hamiflus</i> Flem.
23	<i>Cardium Islandicum</i> Linn.	41	<i>decemcostatus</i> Say.
24	<i>pinnulatum</i> Conrad.	42	<i>pygmaeus</i> Gould.
25	<i>Cemoria Noachina</i> Linn.	43	<i>rufus</i> Mont.
		44	<i>turriculus</i> Mont.

- |                            |   |
|----------------------------|---|
| No.                        | No.   |
| 45                         | <b>Lacuna neritoidea</b> Gould.                       |
| 46                         | <b>fusca</b> Gould.                                   |
| 47                         | <b>vinota</b> Mont.                                   |
| 48                         | <b>Littorina pallata</b> Say.                         |
| 49                         | <b>rudis</b> Don.                                     |
| 50                         | <b>tenebrosa</b> Mont.                                |
| 51                         | <b>Lucina flexuosa</b> Mont.                          |
| 52                         | <b>Machera costata</b> Say.                           |
| 53                         | <b>Mactra gigantea</b> Lam.                           |
| 54                         | <b>Margarita arctica</b> Leach.                       |
| 55                         | <b>argentata</b> Gould.                               |
| 56                         | <b>cinerea</b> Couth.                                 |
| 57                         | <b>obscura</b> Couth.                                 |
| 58                         | <b>undulata</b> Sowerby.                              |
| 59                         | <b>Mesodesma arctata</b> Conrad.                      |
| 60                         | <b>Modiola discrepans</b> Mont.                       |
| 61                         | <b>glandula</b> Totten.                               |
| 62                         | <b>modiolus</b> Linn.                                 |
| 63                         | <b>nexa</b> Gould.                                    |
| 64                         | <b>plicatula</b> Lam.                                 |
| 65                         | <b>Mya arenaria</b> Linn.                             |
| 66                         | <b>Mytilus edulis</b> Linn.                           |
| 67                         | <b>Natica clausa</b> Sowerby.                         |
| 68                         | <b>heros</b> Say.                                     |
| 69                         | <b>immaculata</b> Totten.                             |
| 70                         | <b>pusilla</b> Say.                                   |
| 71                         | <b>triseriata</b> Say.                                |
| 72                         | <b>Cascoensis</b> Mighels.                            |
| 73                         | <b>delphinodonta</b> Mighels.                         |
| 74                         | <b>limatula</b> Say.                                  |
| 75                         | <b>minuta</b> Gmelin.                                 |
| 76                         | <b>myalis</b> Couth.                                  |
| 77                         | <b>Nucula navicularis</b> Couth.                      |
| 78                         | <b>Portlandica</b> Hitchcock.                         |
| 79                         | <b>proxima</b> Say.                                   |
| 80                         | <b>sapotilla</b> Gould.                               |
| 81                         | <b>tenuis</b> Mont.                                   |
| 82                         | <b>thraciæformis</b> Storer.                          |
| 83                         | <b>Patella alveus</b> Conrad.                         |
| 84                         | <b>amœna</b> Say.                                     |
| 85                         | <b>candida</b> Couth.                                 |
| 86                         | <b>Pecten Islandicus</b> Müll.                        |
| 87                         | <b>Magellanicus</b> Gmelin.                           |
| 89                         | <b>Pleurotoma decussata</b> Couth.                    |
| 90                         | <b>violacea</b> Adams.                                |
| 91                         | <b>Purpura lapillus</b> Linn.                         |
| 92                         | <b>Sanguinolaria fusca</b> Say.                       |
| 93                         | <b>Saxicava distorta</b> Linn.                        |
| 94                         | <b>Scalaria Greenlandica</b><br>Chemn.                |
| 95                         | <b>Sigaretus haliotoides</b> Linn.                    |
| 96                         | <b>Skenia serpuloides</b> Mont.                       |
| 97                         | <b>Solemya borealis</b> Totten.                       |
| 98                         | <b>velum</b> Say.                                     |
| 99                         | <b>Solen ensis</b> Linn.                              |
| 100                        | <b>siliqua</b> .                                      |
| 102                        | <b>Terebratula caput-serp-</b><br><b>pentis</b> Linn. |
| 103                        | <b>Thracia truncata</b> Mighels.                      |
| 104                        | <b>Trichotropis borealis</b> Sowb.                    |
| 105                        | <b>Turritella erosa</b> Couth.                        |
| 106                        | <b>Velutina lævigata</b> Linn.                        |
| 107                        | <b>zonata</b> Gould.                                  |
| 108                        | <b>Venus gemma</b> Totten.                            |
| 109                        | <b>mercenaria</b> Linn.                               |
| <b>FRESH-WATER SHELLS.</b> |   |
| 110                        | <b>Alasmodon arcuata</b> Barnes.                      |
| 111                        | <b>marginata</b> Say.                                 |
| 112                        | <b>undulata</b> Say.                                  |
| 113                        | <b>Amnicola lustrica</b> Say.                         |
| 114                        | <b>porata</b> Say.                                    |
| 115                        | <b>Ancylus rivularis</b> Say.                         |
| 116                        | <b>tardus</b> Say.                                    |
| 117                        | <b>Anodon cataracta</b> Say.                          |
| 118                        | <b>implicata</b> Say.                                 |
| 119                        | <b>marginata</b> Say.                                 |
| 120                        | <b>Cyclos calyculata</b> Drap.                        |
| 121                        | <b>minor</b> Mighels.                                 |
| 122                        | <b>partumeia</b> Say.                                 |
| 123                        | <b>similis</b> Say.                                   |
| 124                        | <b>Limnæa columella</b> Say.                          |
| 125                        | <b>decollata</b> Mighels.                             |
| 126                        | <b>desidiosa</b> Say.                                 |
| 127                        | <b>humilis</b> Say.                                   |
| 128                        | <b>Paludina decisa</b> Say.                           |
| 129                        | <b>Physa ancillaria</b> Say.                          |
| 130                        | <b>heterostropha</b> Say.                             |
| 131                        | <b>hypnorum</b> Drap.                                 |

No.		No.	
132	<i>Planorbis armigerus</i> Say.	146	<i>Helix arborea</i> Say.
133	<i>bicarinatus</i> Say.	147	<i>cellaria</i> .
134	<i>campanulatus</i> Say.	148	<i>electrina</i> Gould.
135	<i>deflectus</i> Say.	149	<i>fraterna</i> Say.
136	<i>exacutus</i> Say.	150	<i>harpa</i> Say.
137	<i>lentus</i> Say.	151	<i>hortensis</i> Müll.
138	<i>parvus</i> Say.	152	<i>labyrinthica</i> Say.
139	<i>trivolis</i> Say.	153	<i>lineata</i> Say.
140	<i>Unio complanatus</i> Sol.	154	<i>pulchella</i> Müll.
141	<i>ochraceus</i> Say.	155	<i>striatella</i> Anth.
142	<i>radiatus</i> Say.	156	<i>Pupa contracta</i> Say.
		157	<i>curvidens</i> Gould.
		158	Gouldii.
		159	<i>modesta</i> Say.
		160	<i>Succinea campestris</i> Say.
		161	<i>ovalis</i> Say.
		162	<i>Vitrina pellucida</i> Drap.
	LAND SHELLS.		
143	<i>Bullimus lubricus</i> Müll.		
144	<i>Helix albolabris</i> Say.		
145	<i>alternata</i> Say.		

**Shaffer.**—A complete List of Land and Fresh-water Shells found in the immediate vicinity of Cincinnati, Ohio: by DAVID H. SHAFFER. [No date.]

No.		No.	
1	<i>Unio abruptus</i> Say. <i>U. orbiculatus</i> Hildreth.	11	<i>Unio cornutus</i> Barnes.
2	<i>Æsopus</i> Green.	12	<i>crassus</i> Say. <i>U. ellipsaria</i> Raf. <i>ellipticus</i> Barnes. <i>carinatus</i> Barnes. <i>ligamentina</i> Lam.
3	<i>alatus</i> Say. <i>U. megaptera</i> Raf.	13	<i>cylindricus</i> Say. <i>U. naviformis</i> Lam. <i>solenoides</i> Raf.
4	<i>anodontoides</i> (rare) Lea. <i>U. teres</i> Raf.	14	<i>cuneatus</i> Barnes. <i>U. nigra</i> Raf.
5	<i>catillus</i> (rare) Conrad. <i>U. coccineus</i> Hildreth. <i>Gouldianus</i> (wh'e nacre)	15	<i>dehiscens</i> Say. <i>U. oriens</i> Lea.
6	<i>catrtricosus</i> Say. [Ward. <i>U. varicosus</i> Lea.	16	<i>donaciformis</i> Lea. <i>U. zig-zag</i> Lea.
7	<i>circulus</i> Lea. <i>U. lens</i> Lea. <i>subrotunda</i> Raf.	17	<i>ebenus</i> Lea.
8	<i>clavus</i> Lam. <i>U. scalenia</i> Raf. <i>patulus</i> Lea.	18	<i>elegans</i> Lea.
9	<i>compressus</i> Lea. <i>Symphonata compressa</i> Lea.	19	<i>ellipsis</i> Lea.
10	<i>Cooperianus</i> Lea.	20	<i>flavus</i> Raf. <i>U. rubiginosus</i> Lea. <i>trigonis</i> Lea.

- | No. |   | No. |   |
|-----|---|-----|---|
| 21  | <b>Unio flexuosus</b> (male) Raf.<br><i>U. foliatus</i> (female) Hild.  | 42  | <b>Unio politus</b> Say.<br><i>U. subrotundus</i> Lea.  |
| 22  | <b>fragosus</b> Conrad.   | 43  | <b>pustulosus</b> Lea.<br><i>U. verrucosus albus</i> Hildreth.  |
| 23  | <b>gibbosus</b> Barnes.<br><i>U. nasutus</i> Lam.<br><i>dilatata</i> Raf.<br><i>arctior</i> (whitenaere) Lea. | 44  | <b>pyramidatus</b> Lea.<br><i>U. obliqua</i> Lam.   |
| 24  | <b>Hildrethianus</b> Lea.   | 45  | <b>rangianus</b> Lea.   |
| 25  | <b>glans</b> Lea.   | 46  | <b>rectus</b> Lam.<br><i>U. prelongus</i> Barnes.<br><i>latissima</i> Raf.  |
| 26  | <b>gracilis</b> Barnes.<br><i>Symphonata gracilis</i> Lea.  | 47  | <b>retusus</b> Lam.<br><i>U. torsa</i> Raf.   |
| 27  | <b>iris</b> Lea.<br><i>U. subrostratus</i> Say.   | 48  | <b>rugosus</b> Barnes.<br><i>U. quadrula</i> Raf.<br><i>lachrymosus</i> Lea.<br><i>asperrimus</i> Lea.                |
| 28  | <b>irroratus</b> Lea.<br><i>U. stegaria</i> Raf.  | 49  | <b>Sayii</b> (rare) Ward.   |
| 29  | <b>laevissimus</b> Lea.<br><i>Symph. laevissima</i> Lea.  | 50  | <b>securis</b> Lea.<br><i>U. depressa</i> Raf.  |
| 30  | <b>lapillus</b> Say.<br><i>U. fabalis</i> Lea.  | 51  | <b>silliquoideus</b> Barnes.<br><i>U. luteolus</i> Lam.<br><i>inflatus</i> (fem.) Barnes.                             |
| 31  | <b>monodontus</b> Say.<br><i>U. soleniformis</i> Lea.   | 52  | <b>solidus</b> Lea.<br><i>U. mytelooides</i> Raf.   |
| 32  | <b>multiradiatus</b> Lea.<br><i>U. fasciola</i> Raf.  | 53  | <b>sulcatus</b> (male) Lea. [Say.<br><i>U. ridibundus</i> (female, rare)  |
| 33  | <b>nodosus</b> Barnes.<br><i>U. metenevra</i> Raf.  | 54  | <b>triangularis</b> Barnes.<br><i>U. formosus</i> (male) Lea.<br><i>triqueter</i> Raf.                                |
| 34  | <b>nodulatus</b> Raf.<br><i>U. pustulatus</i> Lea.  | 55  | <b>trigonis</b> Lea.<br><i>U. rubiginosis</i> (rare) Lea.   |
| 35  | <b>ovatus</b> Say.  | 56  | <b>tuberculatus</b> Barnes.<br><i>U. tuberculosus</i> Valen.<br><i>verrucosa</i> Raf.                                 |
| 36  | <b>parvus</b> Barnes.   | 57  | <b>undatus</b> Barnes.<br><i>U. cardiacea</i> Say.<br><i>pyramidatus</i> Lea.   |
| 37  | <b>perplexus</b> Lea.<br><i>U. gibbosa</i> Raf.   | 58  | <b>undulatus</b> Barnes.<br><i>U. heros</i> Say.<br><i>multiplicatus</i> Lea.   |
| 38  | <b>personatus</b> (fem., rare) Say.<br><i>U. capillaris</i> (female) Lea.<br><i>pileus</i> (male) Lea.        | 59  | <b>ventricosus</b> Barnes.<br><i>U. cardium</i> Raf.<br><i>occidens</i> (female) Lea.<br><i>subovatus</i> (male) Lea. |
| 39  | <b>phaseolus</b> Hildreth.<br><i>U. planulatus</i> Lea.<br><i>camelus</i> Lea.                                |     |   |
| 40  | <b>planus</b> Barnes.<br><i>U. tenuissimus</i> Lea.<br><i>velum</i> (female) Say.<br><i>leptodon</i> Raf.     |     |   |
| 41  | <b>plicatus</b> Say.<br><i>U. costata</i> Raf.<br><i>rariPLICATA</i> Lam.<br><i>undulatus</i> Deshayes.       |     |   |

- |                                     |                                   |
|-------------------------------------|-----------------------------------|
| No.                                 | No.                               |
| 60                                  | 25                                |
| <b>Unio verrucosus Barnes.</b>      | <b>Helix lineata (rare) Say.</b>  |
| <i>U. tuberculata Raf.</i>          | 26                                |
| <i>graniferus Lea.</i>              | <i>H. pulchella Binney.</i>       |
| 61                                  | 27                                |
| <b>Alasmodonta calceola Lea.</b>    | <i>minuscula Lea.</i>             |
| <i>A. deltoidea Lea.</i>            | 28                                |
| 62                                  | <i>minutissima Lea.</i>           |
| <i>complanata Barnes.</i>           | 29                                |
| 63                                  | <i>multilineata Say.</i>          |
| <i>rugosa Barnes.</i>               | 30                                |
| <i>A. costata Raf.</i>              | 31                                |
| 64                                  | <i>Pennsylvanica Green.</i>       |
| <i>truncata Say.</i>                | 32                                |
| 65                                  | <i>perspectiva Say.</i>           |
| <b>Anodonta edentula Say.</b>       | 33                                |
| <i>A. areolata Swainson.</i>        | 34                                |
| 66                                  | <i>palliata Say.</i>              |
| <i>Perussaclana Lea.</i>            | 35                                |
| 67                                  | <i>profunda Say.</i>              |
| <i>imbecillis Say.</i>              | <i>runderata Binney.</i>          |
| <i>A. incerta Lea.</i>              | <i>H. striatella Athony.</i>      |
| 68                                  | 36                                |
| <i>pavonia Lea.</i>                 | <i>solitaria Say.</i>             |
| <i>A. Wardiana (rare) Lea.</i>      | 37                                |
| 69                                  | <i>suppressa (rare) Say.</i>      |
| <i>plana Lea.</i>                   | 38                                |
| <i>A. decora (young) Lea.</i>       | <i>thyroidea Say.</i>             |
| <i>grandis Say.</i>                 | 39                                |
| <b>Ancylus rivularis Say.</b>       | <i>tridentata Say.</i>            |
| 1                                   | 40                                |
| <b>Helix albolabris Say.</b>        | <i>zaleta Say.</i>                |
| 2                                   | 1                                 |
| <i>alternata Say.</i>               | <i>Pupa armifera Say.</i>         |
| 3                                   | 2                                 |
| <i>appressa (rare) Say.</i>         | <i>exigua Say.</i>                |
| 4                                   | 3                                 |
| <i>arborea Say.</i>                 | <i>ovata Say.</i>                 |
| 5                                   | 4                                 |
| <i>chersina (rare) Say.</i>         | <i>pentodon Say.</i>              |
| 6                                   | 5                                 |
| <i>clausa Say.</i>                  | (unknown).                        |
| 7                                   | 1                                 |
| <i>concaua Say.</i>                 | <i>Succinea aurea Lea.</i>        |
| 8                                   | 2                                 |
| <i>diodonta (rare) Say.</i>         | <i>obliqua Say.</i>               |
| 9                                   | 3                                 |
| <i>elevata Say.</i>                 | <i>vermetus Say.</i>              |
| 10                                  | 1                                 |
| <i>electrina Gould.</i>             | <i>Planorbis armigerus Say.</i>   |
| 11                                  | 2                                 |
| <i>fallax Say.</i>                  | <i>bicarinatus Say.</i>           |
| 12                                  | 3                                 |
| <i>fraterna Say.</i>                | <i>lens Lea.</i>                  |
| 13                                  | 4                                 |
| <i>fuliginosis (rare) Griffith.</i> | <i>lentus Say.</i>                |
| 14                                  | 5                                 |
| <i>glaphyra (rare) Say.</i>         | <i>parvus Say.</i>                |
| 15                                  | 6                                 |
| <i>hirsuta Say.</i>                 | <i>trivolvus Say.</i>             |
| 16                                  | 1                                 |
| <i>indentata Say.</i>               | <i>Cyclostoma lapidaria Say.</i>  |
| 17                                  | 2                                 |
| <i>inflecta Say.</i>                | <i>Cincinnatiensis Carley.</i>    |
| 18                                  | 1                                 |
| <i>inornata Say.</i>                | <i>Physa elliptica Lea.</i>       |
| 19                                  | 2                                 |
| <i>intertexta (rare).</i>           | <i>heterostropha Say.</i>         |
| 20                                  | 3                                 |
| <i>interna Say.</i>                 | <i>aurea Lea.</i>                 |
| 21                                  | 1                                 |
| <i>labyrinthica Say.</i>            | <i>Lymnea desudosa Say.</i>       |
| 22                                  | 2                                 |
| <i>monodon Binney.</i>              | <i>elodes Say.</i>                |
| <i>H. Leatii.</i>                   | 3                                 |
| 23                                  | <i>exilis Lea.</i>                |
| <i>ligeri Say.</i>                  | 1                                 |
| 24                                  | <i>Melania canalliculata Say.</i> |
| <i>limatula (rare).</i>             | 2                                 |
|                                     | <i>conica Say.</i>                |
|                                     | 3                                 |
|                                     | <i>depygis Say.</i>               |
|                                     | 4                                 |
|                                     | <i>undulata Say.</i>              |
|                                     | 5                                 |
|                                     | <i>Sayii Wood.</i>                |

No.		No.	
6	<i>Melania Virginia</i> Say.	2	<i>Paludina decisa</i> Say.
7	<i>virgata</i> Lea.	3	<i>integra</i> Say.
1	<i>Anculosa costatus</i> Anthony.	4	<i>subcarinata</i> Say.
2	<i>integra</i> Say.	1	<i>Cyclas similis</i> .
3	<i>prærorsa</i> Say. [Clark.	2	<i>rhomboidea</i> .
1	<i>Paludina Cincinnatiensis</i>	3	<i>partumea</i> .

**W. G. Binney.**—Reports of Explorations and Surveys to ascertain the most practicable and economical Route for a Railroad from the Mississippi River to the Pacific Ocean, made under the direction of the Secretary of War in 1854–5, vol. vi, pp. 111–114. Washington, 1857. Report on the Land Shells collected on the Survey: by W. G. BINNEY.

Page.		Page.	
111	<i>Helix fidelis</i> Gray. <i>H. Nuttalliana</i> Lea.	113	<i>Helix cæruginosa</i> Gould.
112	<i>infumata</i> Gould.	114	<i>Dupetitthouarsii</i> Deshayes. <i>H. Oregonensis</i> Lea.

**Prime.**—Notes on some American Species of *Cyclas* described by Lamarck, Say, Rafinesque, and Linsley: by TEMPLE PRIME, LL. B., Member of the Boston Society of Nat. Hist. Part. I, pp. 4. Lamarck and Say. The Hague, 1857.

Page.		Page.	
4	<i>Cyclas sulcata</i> Lam. <i>C. Saratogea</i> Lam. <i>similis</i> Say.	4	<i>Cyclas striatina</i> Lam. <i>C. edentula</i> Say. <i>modesta</i> Prime.
4	<i>Cyclas cornea</i> Lam., No. 2 = <i>C. partumia</i> .		
4	<i>Cyclas cornea</i> Lam., No. 3 = <i>C. rhomboida</i> .		

**Haldeman.**—The Iconographic Encyclopædia of Science, Literature, and Art, systematically arranged: by J. G. HECK. Translated from the German, with additions, and edited by SPENCER F. BAIRD, A. M., M. D., &c. Vol. ii. N. Y., 1857.

[The division "Mollusca" (p. 49) contains many important notes on American Mollusca by Prof. S. S. HALDEMAN. The pages devoted to the water-breathing fluviatile univalves are of particular interest, p. 83 et seq.]

Page.	
69	<b>Unionidæ.</b> (Copious notes.)
83	<i>Anculosa</i> Say = <i>Leptoaxis</i> Raf.



Page.	
84	<i>Melania armigera</i> Say
84	<i>Duttoniana</i> Lea } = <i>Pleurocera</i> Raf.
84	<i>catenoides</i> Lea }
84	<i>Pleurocera</i> ( <i>Io</i> ). (Description of animal).
84	<i>Io spinosa</i> Lea = <i>Pleurocera fluviatilis</i> Say.
84	<i>Io tenebrosa</i> Lea = <i>Pleurocera fluviatilis</i> Say.
89	<i>Ampullaria</i> . (Animal described.)
90	<i>Physidæ</i> . (Notes.)

**Ravenel.**—Descriptions of three new species of Univalves, recent and fossil: by E. RAVENEL, M. D. (Proceedings of Elliott Society of Natural History of Charleston, S. C., vol i, p. 281. March, 1858.)

Page.	Name.	Locality.
281	<i>Columbella spirantha</i> Rav.	Wande river, S. C.

**Higgins.**—A Catalogue of the Shell-bearing species of Mollusca inhabiting the vicinity of Columbus, Ohio—with some Remarks thereon: by FRANK HIGGINS. Sept. 1858. [Without descriptions.]

Page.	No.	Name.	Locality.
4	1	<i>Unio alasmodontinus</i> Barnes.	Scioto river & tributaries.
4	2	<i>alatus</i> Say.	Scioto river.
4	3	<i>Bourneianus</i> Lea.	Scioto river.
4	4	<i>cuneatus</i> Barnes.	Scioto river.
4	5	<i>coccinneus</i> Hild.	Scioto river.
4	6	<i>cicatricosus</i> Say.	Scioto river.
4	7	<i>cylindricus</i> Say.	Scioto river.
4	8	<i>crassus</i> Say.	Scioto river.
4	9	<i>circulus</i> Lea.	Scioto river.
		<i>U. lens</i> Lea (young).	
4	10	<i>clavus</i> Lam.	Scioto river.
		<i>U. patulus</i> Lea (young).	
4	11	<i>cornutus</i> Barnes.	Scioto river.
4	12	<i>donacoiformis</i> Lea.	Scioto river.
4	13	<i>elegans</i> Lea.	Scioto river.
4	14	<i>ellipsis</i> Lea.	Scioto river.
4	15	<i>Gouldianus</i> Ward.	Scioto river.
4	16	<i>gibbosus</i> Barnes.	Scioto river.
		var. <i>U. arctior</i> Lea.	
4	17	<i>gracilis</i> Barnes.	Scioto river.



Page.	No.	Name.	Locality.
5	18	<i>Unio irroratus</i> Lea.	Scioto river.
5	19	<i>lappilus</i> Say.	Scioto river.
5	20	<i>multiradiatus</i> Lea.	Scioto river.
5	21	<i>phaselosus</i> Hild. var. <i>U. camelus</i> Lea. <i>planantulus</i> Lea.	Scioto river.
5	22	<i>pustulosus</i> Lea.	Scioto river.
5	23	<i>parvus</i> Barnes.	Scioto river & Ohio canal.
5	24	<i>perplexus</i> Lea.	Scioto river.
5	25	<i>plicatus</i> Say.	Scioto river & Ohio canal.
5	26	<i>Rangianus</i> Lea.	Scioto river.
5	27	<i>rubiginosus</i> Lea.	Scioto river & Ohio canal.
5	28	<i>rectus</i> Lam.	Scioto river.
5	29	<i>sillicoideus</i> Barnes.	Scioto river & Ohio canal.
5	30	<i>subrostratus</i> Say.	Scioto river.
5	31	<i>solidus</i> Lea.	Scioto river.
5	32	<i>Sayli</i> Ward.	Scioto river & Ohio canal.
5	33	<i>tuberculatus</i> Barnes.	Scioto river.
5	34	<i>tenuissimus</i> Lea.	Scioto river.
5	35	<i>triangularis</i> Barnes.	Scioto river.
5	36	<i>verrucosus</i> Barnes.	Scioto river.
5	37	<i>ventricosus</i> Barnes. var. <i>U. occidentis</i> Lea. <i>subovatus</i> Lea.	Scioto river.
5	38	<i>Alasmodon ambigua</i> Say.	Scioto river.
5	39	<i>calceola</i> Lea.	Scioto river & Ohio canal.
5	40	<i>truncata</i> Say.	Scioto river.
5	41	<i>rugosa</i> Barnes.	Scioto river & Ohio canal.
5	42	<i>Anodon aerolata</i> Swain.	Scioto river & Ohio canal.
5	43	<i>Buchanensis</i> Lea.	Scioto river & Ohio canal.
5	44	<i>Ferussaciana</i> Lea.	Scioto river & Ohio canal.
5	45	<i>imbecillis</i> Say.	Scioto river & Ohio canal.
5	46	<i>pavonia</i> Lea.	Scioto river.
5	47	<i>plana</i> Lea. <i>A. decora</i> Lea (young).	Scioto river & Ohio canal.
5	48	<i>salmonea</i> Lea.	Scioto river.
5	49	<i>Cyclas edentula</i> Say.	Ohio canal.
5	50	<i>occidentalis</i> Prime.	Swamps.
5	51	<i>partumela</i> Say.	Swamps.
5	52	<i>solidula</i> Prime.	Scioto river & Ohio canal.
5	53	<i>similis</i> Say.	Scioto river & Ohio canal.
5	54	<i>rhomboidea</i> Say.	Ohio canal.
5	55	<i>transversa</i> Say.	Scioto river & Ohio canal.
6	56	<i>Pisidium dubium</i> Say.	Scioto river & Ohio canal.
6	57	<i>compressum</i> Prime.	Ohio canal.

Page.	No.	Name.	Locality.
6	58	<i>Pisidium abditum</i> <i>Hald.</i>	Ohio canal.
6	59	<i>ferruginium</i> <i>Prime.</i>	Ohio canal.
6	60	<i>Limnæ caperata</i> <i>Say.</i>	Swamp ditches.
6	61	<i>desoldosa</i> <i>Say.</i>	Swamp ditches.
6	62	<i>humilis</i> <i>Say.</i>	Scioto riv., Ohio can., &c.
6	63	<i>reflexis</i> <i>Say.</i>	Swamps.
6	64	<i>umbrosus</i> <i>Say.</i>	Swamps.
6	65	—— ?	Swamps.
6	66	<i>Physa ancillara</i> <i>Lea.</i>	Scioto river.
6	67	<i>elongata</i> <i>Say.</i>	Swamp ditches.
6	68	<i>gyrina</i> <i>Say.</i>	Scioto river.
6	69	<i>heterostropha</i> <i>Say.</i>	Scioto riv., Ohio can., &c.
6	70	<i>Planorbis armigerus</i> <i>Say.</i>	Swamp ditches.
6	71	<i>campanulatus</i> <i>Say.</i>	Scioto river.
6	72	<i>bicarinatus</i> <i>Say.</i>	Scioto river & Ohio canal.
6	73	<i>dilitatus</i> <i>Gould.</i>	Swamps.
6	74	<i>parvus</i> <i>Say.</i>	Ohio ca'l, swamp ditches.
6	75	<i>lentus</i> <i>Say.</i>	Scioto river.
6	76	<i>trivolvus</i> <i>Say.</i>	Scioto swamps, Ohio ca'l.
6	77	<i>Ancylus tardus</i> <i>Say.</i>	Scioto river & Ohio canal.
6	78	—— ?	Scioto river.
6	79	<i>Paludina decisa</i> <i>Say.</i>	Scioto river & Ohio canal.
6	80	<i>genicula</i> <i>Conrad.</i>	Scioto river & Ohio canal.
6	81	<i>integra</i> <i>Say.</i>	Scioto river & Ohio canal.
		<i>P. heterostropha</i> <i>Kirtland.</i>	
6	82	<i>rufa</i> <i>Hald.</i>	Scioto river & Ohio canal.
6	83	<i>Amnicola limosa</i> <i>Say.</i>	Ohio canal.
6	84	<i>lapidaria</i> <i>Say.</i>	Moist places.
6	85	<i>Sayana</i> <i>Anthony.</i>	Moist places.
7	86	<i>Valvata tricarinata</i> <i>Say.</i>	Ohio canal.
7	87	<i>Melania depygis</i> <i>Say.</i>	Scioto river.
7	88	<i>inornata</i> <i>Anthony.</i>	Scioto river & Ohio canal.
7	89	<i>gracilor</i> <i>Anthony.</i>	Scioto river.
7	90	<i>exilis</i> <i>Hald.</i>	Scioto river.
7	91	<i>Kirtlandiana</i> <i>Lea.</i>	Scioto river.
7	92	<i>regularis</i> <i>Lea.</i>	Scioto river.
7	93	<i>pulchella</i> <i>Anthony.</i>	Scioto river.
7	94	<i>Sayii</i> <i>Ward.</i>	Scioto river.
7	95	<i>Anculosa isogonia</i> <i>Say.</i>	Ohio canal.
7	96	<i>Zua lubricus</i> <i>Say.</i>	Rocky places.
7	97	<i>Succinea avara</i> <i>Say.</i>	Moist places.
7	98	<i>ovalis</i> <i>Say.</i>	
7	99	<i>obliqua</i> <i>Say.</i>	
7	100	<i>vermetus</i> <i>Say.</i>	
7	101	<i>Pupa armifera</i> <i>Say.</i>	

Page.	No.	Name.	Locality.
7	102	<b>Pupa contracta</b> Say.	Moist places.
7	103	<b>exigua</b> Say.	Moist places.
7	104	<b>fallax</b> Say.	Rocky places.
7	105	<b>vata</b> Say.	Moist places.
7	106	<b>pentodon</b> Say.	Moist places.
7	107	<b>rupicola</b> Gould.	Moist places.
7	108	<b>Helix albolabris</b> Say.	Dry ridges, rocky places.
7	109	<b>alternata</b> Say.	Dry ridges, &c.
7	110	<b>arborea</b> Say.	Dry woodlands.
7	111	<b>chersina</b> Say.	Moist places.
7	112	<b>clausa</b> Say. var. <i>H. Mitcheliana</i> Lea.	Hill-sides, river bottoms.
7	113	<b>concaua</b> Say.	Dry ridges, riv. bottoms.
7	114	<b>electrina</b> Gould.	Moist places.
7	115	<b>fallax</b> Say.	Hill-sides, river bottoms.
7	116	<b>fraterna</b> Say.	Hill-sides, river bottoms.
8	117	<b>fuliginosa</b> Griffith.	Rocky places, &c.
8	118	<b>hirsuta</b> Say.	River bottoms, &c.
8	119	<b>hydrophilia</b> Ingalls.	Swamp prairies.
8	120	<b>inflecta</b> Say.	Hill-sides, river bottoms.
8	121	<b>inornata</b> Say.	
8	122	<b>intertexta</b> Say.	Dry woodlands.
8	123	<b>indentata</b> Say.	Woodlands
8	124	<b>lineata</b> Say.	Moist woodlands.
8	125	<b>Leali</b> Ward.	Swamp prairies.
8	126	<b>labyrinthica</b> Say.	Moist places.
8	127	<b>hamatula</b> Ward.	Moist woodlands.
8	128	<b>ligera</b> Say. var. <i>H. Wurdiana</i> Lea.	Moist woodlands.
8	129	<b>minutissima</b> Lea.	Moist places.
8	130	<b>miniscula</b> Binney.	Moist places.
8	131	<b>monodon</b> Rackett.	Hill-sides.
8	132	<b>multilineata</b> Say.	Swamp prairies.
8	133	<b>palliat</b> a Say.	River bottoms.
8	134	<b>perspectiva</b> Say.	Woodlands dry ridges.
8	135	<b>profunda</b> Say.	Hill-sides, river bottoms.
8	136	<b>Pennsylvanica</b> Green.	Hill-sides, river bottoms.
8	137	<b>pulchella</b> Mulla.	Gardens in the city.
8	138	<b>solitaria</b> Say.	Dry ridges, &c.
8	139	<b>striatella</b> Anthony.	Moist places.
8	140	<b>suppressa</b> Say.	
8	141	<b>tridentata</b> Say.	Rocky places.
8	142	<b>thyroidea</b> Say.	Dry ridges, &c.
8	143	<b>zaleta</b> Say.	Hill-sides, &c.
8	144	<b>Helicina orbiculata</b> Say.	Swamp prairies.

**True.**—Shells gathered about Salem, Mass., with particular localities designated and remarks on the species: by JOSEPH TRUE. (Proceed. of the Essex Institute, vol. ii, pt. 1. Salem, 1858. [No descriptions are given.]

Page.	Page.
188 <i>Teredo navalis.</i>	191 <i>Cardium Islandicum.</i>
188 <i>Pholas dactylus.</i>	191 <i>pinnulatum.</i>
188 <i>crispata.</i>	191 <i>Cardita borealis.</i>
189 <i>Solen ensis.</i>	191 <i>Nucula limatula.</i>
189 <i>Machæra costata.</i>	191 <i>myalis.</i>
189 <i>Solemya velum.</i>	191 <i>minuta.</i>
189 <i>borealis.</i>	191 <i>sapotilla.</i>
189 <i>Glycymeris siliqua.</i>	191 <i>tenuis.</i>
189 <i>Mya arenaria.</i>	191 <i>proxima.</i>
189 <i>Pandora trilineata.</i>	191 <i>Unio complanatus.</i>
189 <i>Osteodesma hyalina.</i>	191 <i>radiatus.</i>
189 <i>Cochleodesma Leana.</i>	191 <i>nasutus.</i>
190 <i>Thracia Conradi.</i>	191 <i>Anodon fluviatilis.</i>
190 <i>Maotra solidissima.</i>	191 <i>implicata.</i>
190 <i>lateralis.</i>	191 <i>Mytilus edulis.</i>
190 <i>ovalis.</i>	191 <i>pellucidus.</i>
190 <i>Mesodesma arcata.</i>	192 <i>Modiola modiolus.</i>
190 <i>Montacuta bidentata.</i>	192 <i>plicatula.</i>
190 <i>Kellia rubra.</i>	192 <i>discrepans.</i>
190 <i>Saxicava distorta.</i>	192 <i>glandula.</i>
190 <i>Petricola pholadiformis.</i>	192 <i>Pecten Islandicus.</i>
190 <i>Sanguinolaria fusca.</i>	192 <i>Magellanicus.</i>
190 <i>Tellina tenera.</i>	192 <i>concentricus.</i>
190 <i>Lucina filosa Stimpson.</i>	192 <i>Anomia ephippium.</i>
190 <i>flexuosa.</i>	192 <i>aculeata.</i>
190 <i>Cyclas elegans.</i>	192 <i>squamula.</i>
190 <i>truncata.</i>	192 <i>Terebratula caput-ser-</i>
190 ———.	192 <i>pentis.</i>
190 <i>Plaidium dubium.</i>	192 <i>Chiton fulminatus.</i>
190 <i>pusillum.</i>	192 <i>ruber.</i>
190 <i>minus.</i>	192 <i>albus.</i>
191 <i>Astarte castanea.</i>	192 <i>Emersonianus.</i>
191 <i>sulcata.</i>	192 <i>Lottia testudinalis.</i>
191 <i>quadrans.</i>	192 <i>alveus.</i>
191 <i>Cyprina Islandicus.</i>	192 <i>Dentalium dentale.</i>
191 <i>Cytherea convexa.</i>	192 <i>Cemoria Noachina.</i>
191 <i>Venus mercenaria.</i>	192 <i>Crepidula fornicata.</i>
191 <i>gemma.</i>	(Not finished.)

**Say—W. G. Binney.**—The Complete Writings of THOMAS SAY on the Conchology of the United States: edited by W. G. BINNEY. New York, 1858.

[Under this title are collected all the descriptions and figures of recent shells published by Mr. Say. In the following tables reference is given to the original publications and to the reprint.—W. G. B.]

**Say.**—1. The article "Conchology." (From the American edition of Nicholson's Encyclopedia of Arts and Sciences, vol. ii. First edition. Philadelphia, 1816.)

[There is no paging. I am indebted to the kindness of Mr. S. Hanley for the date and references to this edition. I have never been able to obtain access to a copy of it, though I have searched for it in all the principal libraries of Boston, New York, and Philadelphia. The second and third editions are common. The original manuscript is preserved in the library of the Philadelphia Academy of Natural Sciences. This paper was also distributed separately with a distinct title-page, "Descriptions of Land and Fresh-water Shells of the United States."—W. G. B.]

NICH. ED.		BINNEY'S ED.		Name.	Locality.
Pl.	Fig.	Pl.	Fig.		
i	1	5	lxxix	1 <i>Helix albolabris</i> Say.	
iv	4	5	lxxii	4 <i>arborea</i> Say.	
ii	1	6	lxx	1 <i>tridentata</i> Say.	Middle States.
i	2	6	lxxix	2 <i>alternata</i> Say.	
i	3	6	lxxix	3 <i>glaphyra</i> Say.	Mr. Ord's garden, Phila.
i	7	47	lxxix	7 <i>Limnæa subcarinata</i> Say.	
ii	4	47	lxx	4 <i>virginica</i> Say.	
ii	5	48	lxx	5 <i>vivipara</i> Say.	Lakes.
				<i>Helix vivipara.</i>	
ii	6	49	lxx	6 <i>decisa</i> Say.	
ii	3	45	lxx	3 <i>oatascopium</i> Say.	Delaware river, &c.
		46		<i>jugularis</i> Say.	
i	6	46	lxxix	6 <i>heterostropha</i> Say.	
ii	2	44	lxx	2 <i>Planorbis trivolvis</i> Say.	Lake Erie.
i	4	44	lxxix	4 <i>bicarınatus</i> Say.	
i	5	45	lxxix	5 <i>pervus</i> Say.	Delaware river.
iv	5	7	lxxii	5 <i>Odostomia corticaria</i> Say.	
i	8	49	lxxix	8 <i>Unio crassus</i> Say.	Ohio, &c.
		50		<i>plicatus</i> Say.	Lake Erie.
iii	1	50	lxxi	1 <i>purpureus</i> Say.	Delaware river, &c.
		50		<i>ovatus</i> Say.	Ohio, &c.
iii	2	51	lxxi	2 <i>cariosus</i> Say.	Delaware & Schuylkill.

NICH. ED.		BINNEY'S ED.		Name.	Locality.
Pl. Fig.	Fa.	Pl.	Fig.		
ii	8	51	lxx 8	<i>Unio ochraceus Say.</i>	Delaware & Schuylkill.
iv	1	52	lxxii 1	<i>nasutus Say.</i>	Delaware & Schuylkill.
iv	2	52	lxxii 2	<i>alatus Say.</i>	Lake Erie.
iv	3	52	lxxii 3	<i>cylindricus Say.</i>	Wabash river.
iii	3	53	lxxi 3	<i>undulatus Say =</i> <i>Monodonta Say (n. g.)</i>	Delaware & Schuylkill.
iii	4	53	lxxi 4	<i>Anodonta cataracta Say.</i>	
iii	5	53	lxxi 5	<i>marginata Say.</i>	
iii	6	54	lxxi 6	<i>undulata Say.</i>	
i	9	54	lxix 9	<i>Cyclas similis Say.</i>	Delaware.
i	10	55	lxix 10	<i>dubia Say.</i>	Delaware.

Say.—2. The second edition of the same (vol. iv, 1818) contains the article "Conchology." The references to the plates and localities, being the same as in the first edition, are not repeated. The pages are not numbered.

P. of repr.		P. of repr.	
5	<i>Helix albolabris Say.</i>	7	<i>Ostomia corticaria Say.</i>
5	<i>thyroidus Say.</i>	49	<i>Unio crassus Say.</i>
5	<i>arboreus Say.</i>	50	<i>plicatus Say.</i>
6	<i>tridentata Say.</i>	50	<i>purpureus Say.</i>
6	<i>alternata Say.</i>	50	<i>ovatus Say.</i>
	<i>H. radiata Gmel.</i>	51	<i>cariosus Say.</i>
	<i>Cochlea umbilicata, &amp;c.</i>		<i>Musculus lator, &amp;c. List.</i>
7	<i>glaphyra Say. [Lister.</i>	51	<i>ochraceus Say.</i>
44	<i>Planorbis trivolvis Say.</i>	52	<i>nasutus Say.</i>
	<i>Cochlea trium orbium, &amp;c.</i>		<i>Musculus fuscus, &amp;c. List.</i>
	Lister.	52	<i>alatus Say.</i>
44	<i>bicarinatus Say.</i>	52	<i>cylindricus Say.</i>
45	<i>parvus Say.</i>	53	<i>Monodonta Say (n. g.)</i>
45	<i>Lymnæa catascoplum Say.</i>	53	<i>undulatus Say.</i>
46	<i>jugularis Say.</i>	53	<i>Anodonta cataracta Say.</i>
46	<i>heterostropha Say.</i>	53	<i>marginata Say.</i>
47	<i>subcarinata Say.</i>	53	<i>undulata Say.</i>
47	<i>virginica Say.</i>	54	<i>Cyclas similis Say.</i>
48	<i>vivipara Linn.</i>	55	<i>dubia Say.</i>
49	<i>decisa Say.</i>		

**Say.**—3. The third edition of the same, published in Philadelphia, 1819 (vol. iv.), has the following species in addition to those contained in the second edition. A few generic names are changed, the species being in these cases repeated below.

P. of repr.	Name.	Locality.
7	<i>Hellx labyrinthica</i> Say.	
7	<i>hirsuta</i> Say.	
7	<i>perspectiva</i> Say.	Lake Erie.
7	<i>lineata</i> Say.	Philadelphia.
7	<i>Polygyra</i> Say (n. g.)	
7	<i>auriculata</i> Say.	Florida.
7	<i>avara</i> Say.	Florida.
7	<i>septemvolva</i> Say.	Georgia and Florida.
7	<i>Oligyra</i> Say (n. g.)	
7	<i>orbiculata</i> Say.	East Florida.
56	<i>Planorbis glabratus</i> Say.	South Carolina.
56	<i>Lymnæa columella</i> Say.	
7	<i>Succinea campestris</i> Say.	Georgia and Florida.
7	<i>ovalis</i> Say.	
56	<i>Cyclostoma tricarinata</i> Say.	Delaware river.
56	<i>Ancylus rivularis</i> Say.	
56	<i>Paludina limosa</i> Say.	Delaware and Schuylkill.
56	<i>lapidaria</i> Say.	
47	<i>subcarinata</i> Say. ( <i>Lymnæa</i> , 1st edition.)	
47	<i>virginica</i> Say. ( <i>Lymnæa</i> , 1st edition.)	Lakes.
48	<i>vivipara</i> Linn. ( <i>Lymnæa</i> , 1st edition.)	
48	<i>dissimilis</i> Say.	Pennsylvania.
49	<i>decisa</i> Say. ( <i>Lymnæa</i> , 1st edition.)	
7	<i>Pupa corticaria</i> Say. ( <i>Odostomia</i> Say, 1st edition.)	
7	<i>Polyphemus glans</i> Say.	
56	<i>Alasmodonta</i> Say (n. g.) ( <i>Monodonta</i> Say, 1st edition.)	
56	<i>marginata</i> Say.	
53	<i>undulata</i> Say. <i>Monodonta undulata</i> Say, 1st ed.	
56	<i>Cyrena Carolinensis</i> Bosc. <i>Cyclas Carolinensis</i> Bosc.	Georgia, S. C., Florida.

**Say.**—4. On the Genus *Ocythoë*: being an extract of a letter from THOS. SAY, Esq., of Philadelphia, to WM. ELFORD LEACH, M. D., F. R. S. (From the Philosophical Transactions of the Royal Society, 1819, p. 107.)

P. of repr.	Name.	Locality.
56	<i>Ocythoë punctata Say.</i>	Atlantic ocean, near N. A. coast.

**Say.**—5. Numerous Articles from the Journal of the Academy of Natural Sciences of Philadelphia.

Vol. I. May, 1817.—Description of seven species of American Fresh Water and Land Shells, not noticed in the systems.

Page of Jour.	Page of reprint.	Name.	Locality.
13	59	<i>Cyclostoma tricarinata Say.</i>	Delaware river.
13	59	<i>lapidaria Say.</i>	
14	60	<i>Lymnæa columella Say.</i>	
15	8	<i>Succinea ovalis Say.</i>	

June, 1817.—The same concluded.

17	8	<i>Helix hirsuta Say.</i>	
18	9	<i>perspectiva Say.</i>	Lake Erie.
18	9	<i>lineata Say.</i>	Philadelphia.

October, 1817.—Descriptions of new species of Land and Fresh Water Shells of the United States.

123	9	<i>Helix thyroidus Say.</i>	
123	10	<i>minuta Say.</i>	
124	10	<i>labyrinthica Say.</i>	
125	60	<i>Ancylus rivularis Say.</i>	
125	61	<i>Paludina limosa Say.</i>	Del. and Schuyl. rivs.

June, 1818.—Account of two new genera, and several new species, of Fresh Water and Land Shells.

276	10	<i>Polygyra Say (n. g.)</i>	.
277	10	<i>auriculata Say.</i>	Florida.
277	11	<i>avara Say.</i>	Florida.
278	11	<i>septemvolva Say.</i>	Florida and Georgia.
280	61	<i>Planorbis glabratus Say.</i>	South Carolina.
281	12	<i>Succinea campestris Say.</i>	East Florida.
282	13	<i>Polyphemus glans Brug.</i>	Louisiana to Georgia.
283	13	<i>Olygyra Say (n. g.)</i>	
283	13	<i>orbiculata Say.</i>	East Florida.



## December, 1818.—Description of a new genus of Fresh Water Bivalve Shells.

Page of Jour.	Page of reprint.	Name.	Locality.
459	62	<b>Alasmodonta</b> Say. ( <i>Monodonta</i> Say, preoc.)	
459	62	<i>marginata</i> Say.	Soloto river.
	62	<i>undulata</i> Say ( <i>Monodonta</i> .)	

## Vol. II. January, 1821.—Descriptions of Univalve Shells of the United States.

150	15	<b>Helix multilineata</b> Say.	Illinois and Missouri.
151	15	<i>appressa</i> Say.	Ohio and Missouri riva.
152	16	<i>palliata</i> Say.	Illinois and Ohio.
153	16	<i>inflecta</i> Say.	Lower Missouri.
154	17	<i>clausa</i> Say.	Illinois.
154	17	<i>obstricta</i> Say.	Ohio.
154	17	<i>elevata</i> Say.	Ohio.
155	18	<i>interna</i> Say.	Lower Missouri.
156	18	<i>chersina</i> Say.	Sea islands of Georgia.
156	18	<i>gularis</i> Say.	Ohio, Pennsylvania.
157	19	<i>ligeria</i> Say.	Missouri.
157	19	<i>solitaria</i> Say.	Lower Missouri.
158	19	<i>jejuna</i> Say.	Southern States.
159	20	<i>concava</i> Say.	Illinois and Missouri.
159	20	<i>dealbata</i> Say.	Missouri and Alabama.
160	20	<i>profunda</i> Say.	B'ks of Ohio, Miss., Mo.
161	21	<i>albolabris</i> Say.	Council Bluff.
161	21	<i>thyroidus</i> Say.	B'ks of Ohio, Mo., Miss.
161	21	<i>alternata</i> Say.	B'ks of Ohio, Mo., Miss.
161	21	<i>hirsuta</i> Say.	Council Bluff.
161	21	<i>labyrinthica</i> Say.	Council Bluff.
161	21	<i>minuta</i> Say.	Council Bluff.
161	21	<i>perspectiva</i> Say.	Banks of Missouri, &c.
161	21	<b>Polygyra plicata</b> Say.	Alabama.
162	21	<b>Pupa armifera</b> Say.	Upper Missouri.
163	22	<i>rupicola</i> Say.	East Florida.
163	22	<b>Succinea ovalis</b> Say.	Missouri.
164	63	<b>Planorbis armigerus</b> Say.	Upper Missouri.
164	63	<i>trivolis</i> Say.	Council Bluff.
164	63	<i>bicarinatus</i> Say.	Council Bluff.
164	63	<i>parvus</i> Say.	Council Bluff.
164	63	<i>parallelus</i> Say.	Upper Missouri.
165	64	<i>exacuous</i> Say.	Lake Champlain.
166	64	<i>campanulatus</i> Say.	Lake Cayuga.

Page of Jour.	Page of reprint.	Name.	Locality.
167	65	<i>Lymneus elongatus Say.</i>	Upper Missouri.
167	65	<i>columellus Say.</i>	Cold-water creek, Mo.
167	65	<i>reflexus Say.</i>	Lakes Erie & Superior.
168	66	<i>apressus Say.</i>	Lake Superior.
169	66	<i>elodes Say.</i>	Canandaigua lake, &c.
169	66	<i>desidiosus Say.</i>	Cayuga lake.
170	67	<i>macroctomus Say.</i>	Cayuga lake.
170	67	<i>emarginatus Say.</i>	Maine.
171	67	<i>Physa gyrina Say.</i>	Missouri.
171	68	<i>elongata Say.</i>	Illinois.
172	68	<i>heterostropha Say.</i>	Council Bluff.
172	68	<i>Cyclostoma marginata Say.</i>	Upper Missouri.
173	68	<i>Valvata tricarinata Say.</i>	Council Bluff.
173	68	<i>Paludina ponderosa Say.</i>	Ohio river.
174	69	<i>integra Say.</i>	Missouri.
174	69	<i>porata Say.</i>	Cayuga lake.
175	69	<i>lustrica Say.</i>	Cayuga lake.
175	69	<i>Melania canaliculata Say.</i>	Ohio river.
176	70	<i>elevata Say.</i>	Ohio river.
176	70	<i>conica Say.</i>	Ohio river.
177	70	<i>prærosa Say = Anculotus (n. g.)</i>	Ohio river.
178	71	<i>armigera Say.</i>	Ohio river.
178	71	<i>Bulla fluviatilis Say.</i>	Delaware river.

June, 1822.—An account of some of the Marine Shells of the United States, p. 221.

223	73	<i>Patella amœna Say.</i>	New England.
224	73	<i>Fissurella alternata Say.</i>	Maryland, &c.
225	73	<i>Crepidula fornicata . .</i>	
225	74	<i>depressa Say.</i>	Southern coast.
226	74	<i>glauca Say.</i>	
226	74	<i>plana Say.</i>	New Jersey to Florida.
227	74	<i>intorta (var. ?) Say.</i>	Southern coast.
227	75	<i>convexa Say.</i>	
228	75	<i>Oliva mutica Say.</i>	Southern coast.
229	75	<i>Buccinum ornatum Say.</i>	East Florida.
230	76	<i>Columbella avara Say.</i>	Maryland and south.
231	77	<i>Nassa vibex Say.</i>	Southern and middle.
231	77	<i>trivittata Say.</i>	Southern and middle.
232	77	<i>obsoleta Say.</i>	
234	78	<i>acuta Say.</i>	Southern coast.
235	79	<i>Cerithium dislocatum Say.</i>	Maryland to Florida.
236	79	<i>Fusus cinereus Say.</i>	Maryland and N. J.
236	80	<i>Ranella caudata Say.</i>	

Page of Jour.	Page of reprint.	Name.	Locality.
237	80	<i>Fulgur pyruloides Say.</i>	Southern coast.
238	81	<i>Pyrula papyratia Say.</i>	Ga., E. Fla., W. Indies.
239	81	<i>Turbo irroratus Say.</i>	New Jersey to Florida.
240	81	<i>canaliculatus Say.</i>	Southern coast.
240	82	<i>palliatu Say.</i>	New England.
241	82	<i>obligatus Say.</i>	Portland, Maine.
241	82	<i>vestita Say.</i>	Maine.
242	83	<i>Scalaria lineata Say.</i>	Southern coast.
243	83	<i>Turritella alternata Say.</i>	
244	84	<i>impressa Say.</i>	Maryland.
244	84	<i>Turritella bisuturalis Say.</i>	Boston.
245	84	<i>Bulla solitaria Say.</i>	Southern coast.
246	84	<i>Melampus bidentatus Say.</i>	East Florida.
246	85	<i>var. lineatus Say.</i>	
247	85	<i>Natica duplicata Say.</i>	
		<i>N. rugosa Say, olim.</i>	
248	86	<i>heros Say.</i>	New Jersey.
257	87	<i>pusilla Say.</i>	Southern coast.
257	87	<i>Theodoxus reclivatus Say.</i>	East Florida.
258	88	<i>Ostrea semicylindrica Say.</i>	Georgia and Florida.
259	88	<i>Pecten concentricus Say.</i>	N. Jersey, N. England.
260	89	<i>var. borealis Say.</i>	New England.
260	89	<i>dislocatus Say.</i>	Southern coast.
261	89	<i>Pandora trilineata Say.</i>	S'n and middle coast.
262	90	<i>Avicula hirundo Say.</i>	S'n coast, W. Indies.
263	90	<i>Mytilus cubitus Say.</i>	
264	91	<i>lateralis Say.</i>	Southern coast.
265	91	<i>hamatus Say.</i>	Gulf of Mexico.
265	91	<i>Modiola Americana Leach (var.)</i>	Southern coast.
266	92	<i>castanea Say.</i>	Southern coast.
267	92	<i>Arca ponderosa Say.</i>	Southern coast.
268	93	<i>pexata Say.</i>	
268	93	<i>incongrua Say.</i>	
269	93	<i>transversa Say.</i>	
270	94	<i>Nucula proxima Say.</i>	Southern coast.
271	94	<i>Venus notata Say.</i>	N. England to Georgia.
271	95	<i>præparca Say.</i>	
272	95	<i>elevata Say.</i>	Southern coast.
273	95	<i>inequalis Say.</i>	Middle coast.
273	96	<i>castanea Say.</i>	New Jersey.
274	96	<i>Cytherea occulta Say.</i>	Southern coast.
275	96	<i>Tellina alternata Say.</i>	Georgia and Florida.
276	97	<i>polita Say.</i>	Southern coast.
302	98	<i>iris Say.</i>	Southern coast.

Page of Jour.	Page of reprint.	Name.	Locality.
303	98	<i>Tellina flexuosa Say.</i>	Southern coast.
303	98	<i>tenera Say.</i>	New Jersey.
304	99	<i>Psammobia? lusoria Say.</i>	Southern States.
305	99	<i>Donax variabilis Say.</i>	Georgia and Florida.
306	99	<i>fossor Say.</i>	N. J. and Maryland.
307	100	<i>Amphidesma orbiculata Say.</i>	Georgia.
307	100	<i>aequalis Say.</i>	Southern coast.
308	101	<i>punctata Say.</i>	Southern coast.
309	101	<i>Maetra similis Say.</i>	New Jersey, &c.
309	101	<i>lateralis Say.</i>	Whole coast.
310	102	<i>oblonga Say.</i>	Georgia.
310	102	<i>Lutraria lineata Say.</i>	Georgia and Florida.
311	102	<i>canaliculata Say.</i>	Maryland to Florida.
312	103	<i>Corbula contracta Say.</i>	Georgia and Florida.
313	103	<i>Mya acuta Say.</i>	Southern coast.
313	103	<i>mercenaria Say.</i>	
314	104	<i>Anatina papyratia Say.</i>	Southern coast.
315	104	<i>Solen costatus Say.</i>	New Jersey.
316	104	<i>centralis Say.</i>	Southern coast.
316	105	<i>viridis Say.</i>	Southern coast.
317	105	<i>Solemya velum Say.</i>	Southern coast.
319	106	<i>Saxioava distorta Say.</i>	Southern coast.
319	106	<i>Petricola fornicata Say.</i>	
320	107	<i>Pholas oblongata Say.</i>	Georgia to Florida.
321	107	<i>truncata Say.</i>	Southern coast.
322	108	<i>ouniformis Say.</i>	Southern coast.

December, 1822.—Descriptions of Univalve, Terrestrial, and Fluviatile Shells of the United States.

370	23	<i>Helix irrorata Say.</i>	Northumberl'd Co., Pa.
371	24	<i>inornata Say.</i>	Pennsylvania.
372	24	<i>indentata Say.</i>	Pennsylvania, N. J.
373	24	<i>lineata Say.</i>	Near Philadelphia.
373	25	<i>Bulimus multilatus Say.</i>	South Carolina.
374	25	<i>Pupa contracta Say.</i>	Virginia.
375	26	<i>exigua Say.</i>	Harrowgate.
375	26	<i>Vertigo ovata Say.</i>	Harrowgate.
376	27	<i>pentodon Say.</i>	Pennsylvania.
377	27	<i>Melampus obliquus Say.</i>	South Carolina.
378	110	<i>Lymneus humilis Say.</i>	S. C. and Oswego.
378	110	<i>Paludina grana Say.</i>	Pennsylvania.
379	111	<i>Melania catenaria Say.</i>	South Carolina.
380	111	<i>multilineata Say.</i>	Delaware.
380	111	<i>Cyclas rhomboida Say.</i>	Lake Champlain.
380	112	<i>partumeia Say.</i>	Germantown.

Vol. IV. September 1825.—On a new species of *Modiola*, p. 368.

Page of Jour.	Page of reprint.	Name.	Locality.
369	112	<i>Modiola opifex</i> Say. Plate xix, fig. 2, a, b; reprint, pl. lxx.	Island of Minorca.

## Vol. V. September, 1825.—Descriptions of some new species of Fresh Water and Land Shells of the United States, p. 119.

119	27	<i>Helix fallax</i> Say.	Philadelphia.
120	28	<i>egena</i> Say.	Above Philadelphia.
120	28	<i>Bulimus multilineatus</i> Say.	Southern Florida.
121	28	<i>Pupa fallax</i> Say.	Milton, Mass.
122	29	<i>Achatina solida</i> Say.	Southern Florida.
122		<i>flammigera</i> Fer.	Southern Florida.
122		<i>vexillum</i> Hwm.	Southern Florida.
122	113	<i>Lymneus modicellus</i> Say.	Owego.
123	113	<i>obruusus</i> Say.	Harrowgate.
123	114	<i>pinguis</i> Say.	Del. and Schuylkill.
123	114	<i>galbanus</i> Say (fossil).	New Jersey.
124	114	<i>Physa ancillaria</i> Say.	Roston, Pa., and Conn.
125	29	<i>Cyclostoma dentata</i> Say.	Florida.
125	116	<i>Paludina subglobosa</i> Say.	N. W. Territory.
126	115	<i>Melania simplex</i> Say.	Abingdon, Va.
126	115	<i>proxima</i> Say.	N. and S. Carolina.
128	116	( <i>Ancolotus</i> ) <i>subglobosa</i> Say.	Holstein riv., Va.
128	116	<i>Pirena scalariformis</i> Say.	Florida Keys.

## November, 1825.

129	117	<i>Fusus fluviialis</i> Say.	Holstein river.
130	118	<i>Unio subtentus</i> Say.	Holstein river.
130	118	<i>cariosus</i> Say.	Holstein river.
131	119	<i>Alasmodonta ambigua</i> Say.	N. W. Territory.

## February, 1826.—Descriptions of Marine Shells recently discovered on the coast of the United States.

207	118	<i>Delphinula laxa</i> Say.	South Carolina.
207	119	<i>Turritella concava</i> Say.	
208	119	<i>æqualis</i> Say.	
208	119	<i>Scalaria multistriata</i> Say.	Southern coast.
209	120	<i>Infundibulum depressum</i> Say.	South Carolina.
209	120	<i>Natica triseriata</i> Say.	Boston.
211	121	<i>Volvaria canaliculata</i> Say.	South Carolina.
211	121	<i>Nassa uncinota</i> Say.	South Carolina.
212	122	<i>alba</i> Say.	Florida and W. Indies.
213	122	<i>lunata</i> Say.	Southern States.
214	123	<i>Fusus decemcostatus</i> Say.	Boston.
215	123	<i>bicolor</i> Say.	East Florida.

Page of Jour.	Page of reprint.	Name.	Locality.
215	124	<i>Patella alternata Say.</i>	East Florida.
216	124	<i>Calyptrea (Dispotæa) striata Say.</i>	New Jersey.
216	124	<i>Venericardia tridentata Say.</i>	South Carolina.
218	125	<i>Tellina intastriata Say.</i>	Florida.
218	126	<i>lateralis Say.</i>	
219	126	<i>decora Say.</i>	Florida.
219	126	<i>Psammodia fusca Say.</i>	Georgia.
220	127	<i>Amphidesma radiata Say.</i>	Georgia and Florida.
221	127	<i>lepida Say.</i>	South Carolina.

**Say.**—6. Narrative of an Expedition to the Source of the St. Peter's River, &c. &c., under the command of Major STEPHEN H. LONG, vol. ii, Appendix. 1824.

LONG'S EXP.			REPRINT.			Name.	Locality.
Pa.	Pl.	Fig.	Pa.	Pl.	Fig.		
256	xv	1	29	lxxiv	1	<i>Helix harpa Say.</i>	N. W. Territory.
257	xv	2	30	lxxiv	2	<i>porcina Say.</i>	N. W. Territory.
257	xv	3	30	lxxiv	3	<i>fraterna Say.</i>	Pennsylvania.
257	xv	4	30	lxxiv	4	<i>diodonta Say.</i>	New York.
258			31			<i>perspectiva Say.</i>	N. W. Territory.
258			31			<i>arborea Say.</i>	N. W. Territory.
258			31			<i>chersina Say.</i>	N. W. Territory.
258			31			<i>albolabris Say.</i>	Lake Superior.
258			31			<i>alternata Say.</i>	Lake Superior.
258			31			<i>thyroidus Say.</i>	Niagara Falls.
258			31			<i>ligera Say.</i>	N. W. Territory.
258			31			<i>Vitrina pellucida Müll.</i>	Lake Superior.
259			31			<i>Bulimus lubricus Say.</i>	N. W. Territory.
259	xv	5	32	lxxiv	5	<i>Pupa modesta Say.</i>	N. W. Territory.
260	xv	6	32	lxxiv	6	<i>Succinea avara Say.</i>	N. W. Territory.
260	xv	7	32	lxxiv	7	<i>obliqua Say.</i>	Niagara Falls.
261	xv	8	128	lxxiv	8	<i>Planorbis deflectus Say.</i>	N. W. Territory.
262	xv	9	128	lxxiv	9	<i>corpulentus Say.</i>	N. W. Territory.
262			129			<i>campanulatus Say.</i>	Niagara Falls.
262			129			<i>trivolis Say.</i>	N. W. Ter., Nia. F.
262			129			<i>parvus Say.</i>	N. W. Territory.
263			129			<i>armigerus Say.</i>	St. Peter & Red r.
263			129			<i>bicarinatus Say.</i>	N. W. Territory.
263	xv	10	129	lxxiv	10	<i>Lymneus megasomus Say.</i>	N. W. Territory.
263			130			<i>emarginatus Say.</i>	Lake Namekan.
263			130			<i>elongatus Say.</i>	Rainyla., Seiner.
263			130			<i>desidiosus Say.</i>	Falls of Niagara.
264			130			<i>Physa heterostropha Say.</i>	N. W. Territory.
264	xv	11	130	lxxiv	11	<i>Valvata sincera Say.</i>	N. W. Territory.
264			130			<i>Paludina limosa Say.</i>	N. W. Territory.
264	xiv	2	130	lxxiii	2	<i>Ampullaria depressa Say.</i>	East Florida.
265			131			<i>Melania virginica Say.</i>	Falls of Niagara.
265	xiv	3, 4	131	lxxiii	3, 4	<i>Anodonta gibbosa Say.</i>	South Carolina.

**Say.**—7. Descriptions of some new Terrestrial and Fluvial Shells of North America, 1829, 1830, 1831. New Harmony, Ind., 1840.

[This consists of a reprint by Mrs. Say of some of the descriptions contained in "The New Harmony Disseminator of Useful Knowledge," and in the "Transylvania Journal of Medicine." It is referred to in the left-hand column of the two succeeding articles.—W. G. B.]

**Say.**—8. Descriptions of some New Terrestrial and Fluvial Shells of North America. (New Harmony Disseminator of Useful Knowledge.)

Vol. II, No. 15.—July 29, 1829.

Page of Say's reprint.	Page of N. H. Diss.	Page of Binney's edition.	Name.	Locality.
13	229	36	<i>Helix lucubrata Say.</i>	Mexico.
14	229	36	<i>suppressa Say.</i>	Pennsylvania.
14	229	37	<i>fatigata (Polygyra) Say.</i>	New Harmony.
24	230	38	<i>Pupa placida Say.</i>	Massachusetts.
23	230	38	<i>Succinea vermata Say.</i>	New Harmony.
24	230	38	<i>undulata Say.</i>	Mexico.
23	230	148	<i>Lymneus caperatus Say.</i>	Indiana.

No. 16.—August 12, 1829.

23	244	148	<i>Lymneus attenuatus Say.</i>	Mexico.
22	244	148	<i>Valvata humeralis Say.</i>	Mexico.
20	244	146	<i>Paludina intertexta Say.</i>	Louisiana.
20	245	145	<i>transversa Say.</i>	Louisiana.
20	245	146	<i>elongata Swainson.</i>	St. John's riv., Fla.
			<i>P. multilineata Say.</i>	
20	245	146	<i>subpurpurea Say.</i>	Fox river.
21	245	147	<i>Ampullaria rotundata Say.</i>	St. John's riv., Fla.

No. 17.—August 28, 1829.

22	260	147	<i>Ampullaria depressa Say = A. paludosa.</i>	Mexico.
22	260	147	<i>Ampullaria flagellata Say.</i>	Mexico.
16	260	141	<i>Melania nupera Say.</i>	Wabash.
16	260	141	<i>cancellata Say.</i>	Florida.
16	261	142	<i>semicarinata Say.</i>	Kentucky.
17	261	142	<i>undulata Say.</i>	Ohio.
17	261	142	<i>stygia Say.</i>	Cumberland river.

## No. 18.—September 9, 1829.

Page of Say's reprint.	Page of N. H. Diss.	Page of Binney's edition.	Name.	Locality.
17	275	143	<i>Melania laqueata Say.</i>	Cumberland river.
18	276	143	<i>obovata Say.</i>	Kentucky river.
18	276	144	<i>integra Say.</i>	Ohio river.
19	227	144	<i>isogona Say.</i>	Bear-grass cr., Louisville.
19	227	144	<i>trilineata Say.</i>	Falls of Ohio.

## No. 19.—September 23, 1829.

19	291	145	<i>Melania depygis Say.</i>	Falls of Ohio.
	291	165	<i>Unio heros Say.</i>	Fox river.
	291	225	<i>peruvianus</i> Auct. Am. = <i>U. plicatus.</i>	
5	292	131	<i>cicatricosus Say.</i>	Wabash.
	293	155	<i>monodonta Say.</i>	Falls of Ohio.
5	293	132	<i>velum Say.</i>	Kentucky river.
5	293	132	<i>cardice Say = U. cordata.</i>	
5	283	132	<i>incurvus Say = U. intorta.</i>	

## No. 20.—October 7, 1829.

308	131	<i>Unio dehiscens Say.</i>	Wabash.
308	131	<i>ridibundus Say.</i>	Cumberland river.
309	131	<i>personatus Say.</i>	Wabash.
309	131	<i>apiculatus Say.</i>	Near New Orleans.

## No. 21.—October 21, 1829.

323	134	<i>Unio radula Say.</i>	
7	324	<i>purpureus Say.</i>	

## No. 22.—November 4, 1829.

10	339	137	<i>Alasmodonta sculptilis Say.</i>	Virginia.
	339	131	<i>confragosa Say.</i>	Wabash river.
10	340	137	<i>edentula Say.</i>	Wabash river.
11	340	138	<i>Anodonta implicata Say.</i>	Danvers, Mass.
11	340	138	<i>lugubris Say.</i>	Cumberland river.
12	341	139	<i>grandis Say.</i>	Fox river.

## No. 23.—November 18, 1829.

12	355	139	<i>Anodonta impura Say.</i>	Mexico.
13	355	140	<i>imbecillis Say.</i>	Wabash river.
10	356	137	<i>Cyclos edentula Say.</i>	Lake Canandaigua.
10	356	138	<i>transversa Say.</i>	Kentucky.
11	356	138	<i>triangularis Say.</i>	Mexico.



In newspaper form.—December 28, 1831.

P. of Say's reprint.	P. of Binney's edition.	Name.	Locality.
25	39	<i>Bulimus alternatus</i> Say.	Mexico.
25	39	<i>undatus</i> Brug.	Mexico.
25	39	<i>serperastrus</i> Say.	Mexico.
26	40	<i>emeus</i> Say.	Mexico.
15	140	<i>Melania pluristriata</i> Say.	Mexico.

January 15, 1831.

26	149	<i>Anocylus tardus</i> Say.	Wabash river.
6	133	<i>Unio purpuratus</i> Say.	Mexico.
6	133	<i>metallicus</i> Say.	Mexico.
6	134	<i>subrostratus</i> Say.	Wabash.
	132	<i>velum</i> Say.	Kentucky.
26	149	<i>Bulla fluviatilis</i> Say $\pm$ young <i>Planorbis</i> .	

January 29, 1831.

13	140	<i>Anodonta imbecillis</i> Say.	
	161	<i>suborbiculata</i> Say.	Near Wabash river.

**Say.**—9. Descriptions of several new species of Shells and of a new species of Lumbricus. (Transylvania Journal of Medicine, vol. iv, 1831. Lexington, Ky.)

Page of Say's reprint.	Page of Tr. J. Binney's Med. edition.	Name.	Locality.
525	149	<i>Unio interruptus</i> Say.	} See "Amer. Conch." for locality.
526	149	<i>glebulus</i> Say.	
527	149	<i>nexus</i> Say.	
527	149	<i>declivis</i> Say.	
528	149	<i>lapillus</i> Say.	
15	528	37 <i>Helicina occulta</i> Say.	New Harmony, Ind.

**Say.**—10. American Conchology; or, Descriptions of the Shells of North America. Illustrated by colored figures from original drawings executed from nature. New Harmony, Ind.

[The numbering of the plates is the same in the original and reprint.]

Part I.—1830.

P. of repr.	Pl.	Name.	Locality.
150	i	<i>Astarte castanea</i> Say. <i>Venus castanea</i> Say.	New Jersey.

P. of repr.	Pl.	Name.	Locality.
151	ii	<b>Pandora trilineata</b> Say.	S'n & middle coast.
152	iii	<b>Oliva literata</b> Lam.	Southern coast.
153	iv	<b>Unio triangularis</b> Barnes. <i>U. cuneatus</i> Sw.	
154	v	<b>sulcatus</b> Lea. <i>U. flagellatus</i> Say MS.	Wabash & Ohio riva.
154	v	<b>ridibundus</b> Say. var. <b>perplexus.</b>	Cumberland river.
155	vi	<b>monodonta</b> Say.	Wabash & Ohio riva.
156	vii	<b>Delphinula? laxa</b> Say.	Charleston.
157	viii	<b>Melania nupera</b> Say.	Wabash river.
157	viii	<b>depygis</b> Say.	Ohio river.
158	ix	<b>Lutraria lineata</b> Say. <i>L. papyracea</i> Lam.?	N. Jersey to Florida.
159	x	<b>Paludina decisa</b> Say. <i>Cochlea Virginiana</i> , &c. Lister.	
159	x	<b>vivipara</b> Linn. <i>Cochlea vivipara</i> , &c. Lister. <i>Helix vivipara</i> Linn. <i>Nerita vivipara</i> Müll. <i>Cyclostoma vivipara</i> Dr. <i>Le vivipare à bandes</i> Geoff. Cuv.	Florida, S. Carolina.

## Part II.—April, 1831.

161	xi	<b>Anodonta suborbiculata</b> Say.	Wabash river.
163	xii	<b>Nucula limatula</b> Say.	Nahant, Mass.
164	xii	<b>lævis</b> Say (fossil).	
164	xii	<b>concentrica</b> Say (fossil).	
33	xiii	<b>Helix albolabris</b> Say. <i>Cochlea Virginiana</i> , &c. Lister.	Canada to S. C.
33	xiii	<b>thyroidus</b> Say. <i>Cochlea umbilicata</i> , &c. Lister. <i>terrestris</i> , &c. Schröter.	
164	xiv	<b>Unio ellipsis</b> Lea.	
165	xv	<b>subtentus</b> Say.	Holstein river, S. C.
165	xvi	<b>undulatus</b> Barnes. <i>U. heros</i> Say.	Fox br. of Wabash.
166	xvii	<b>abruptus</b> Say.	Wabash river.
168	xviii	<b>Solecurtus costatus</b> Say. <i>Solen costatus</i> Say.	Mass. to N. Jersey.
169	xix	<b>Fulgur pyruloidea</b> Say. <i>Bulla ficus</i> (var. b) Gmelin. <i>Pyrula spirata</i> Lam. <i>Bulla pyrum</i> Dillw.	South of New Jersey.

P. of repr.	Pl.	Fig.	Name.	Locality.
34	xx		<b>Glandina truncata</b> Gmelin. <i>Buccinum striatum</i> Chemn. <i>Bulla truncata</i> Gmelin. <i>Polyphemus glans</i> Say. <i>Helix rosea</i> Fer. <i>E. flumine</i> , &c. Lister.	S. C., Ga., Fla., Miss.
Part III.—September, 1831.				
171	xxi		<b>Alasmodonta confragosa</b> Say.	Fox br. of Wabash riv., New Orleans.
171	xxii		<b>Unio phaseolus</b> Hildreth. <i>U. cuneatus</i> (var.) Barnes. <i>planulatus</i> Lea.	Wabash river.
173	xxiii		<b>tetralasmus</b> Say.	New Orleans.
173	xxiv		<b>dehiscens</b> Say.	Wabash river.
175	xxv		<b>Sigaretus perspectivus</b> Say.	N. Jersey and South.
176	xxv		<b>maculatus</b> Say.	Southern coast.
177	xxvi		<b>Venus grata</b> Say.	W. coast of Mexico.
179	xxvii		<b>Scalaria clathrus</b> L. <i>Turbo clathrus</i> L. <i>S. communis</i> Lam. <i>clathrus</i> Auct.	
180	xxvii		<b>multistriata</b> Say.	S. Carolina, Florida.
180	xxvii		<b>lineata</b> Say.	Southern coast.
181	xxviii		<b>Amphidesma transversum</b> Say.	Georgia.
182	xxviii		<b>aequale</b> Say.	Charleston, S. C.
183	xxix		<b>Fusus corneus</b> Linn. <i>Murex corneus</i> L. <i>F. Islandicus</i> Martini. <i>Murex Islandicus</i> Gmelin.	New Jersey.
184	xxix		<b>cinereus</b> Say.	Maryland, N. Jersey.
184	xxx	1	<b>Paludina ponderosa</b> Say.	Ohio river.
185	xxx	2	<b>subpurpurea</b> Say.	Fox river.
185	xxx	3, 4	<b>intertexta</b> Say.	New Orleans.
Part IV.—March, 1832.				
187	xxxI	1	<b>Limneus umbrosus</b> Say. <i>L. elongatus</i> Say.	Council Bluff, U. Can.
188	xxxI	2	<b>reflexus</b> Say.	Lake Superior.
188	xxxI	3	<b>elodes</b> Say. <i>L. palustris</i> Lin.?	New York.
188	xxxii		<b>Unio ventricosus</b> Barnes. <i>U. ovatus</i> (var. b) Lam. <i>occidens</i> Lea?	Western waters.
189	xxxiii		<b>interruptus</b> Say.	Bayou Teche.

P. of repr.	Pl	Fig.	Name.	Locality.
190	xxxiv		<b>Unio glebulus</b> Say.	Bayou Teche.
190	xxxv		<b>declivis</b> Say.	Bayou Teche.
192	xxxvi	2	<b>Arca staminea</b> Say (fossil).	
192	xxxvi	1	<b>henosa</b> Say (fossil).	
35	xxxvii	1	<b>Helix clausa</b> Say.	Western States.
35	xxxvii	2	<b>elevata</b> Say. <i>H. Knoxvilliana</i> Fer.	Western States.
36	xxxvii	3	<b>profunda</b> Say. <i>H. Richardii</i> Lam.	Western States.
192	xxxviii		<b>Siphonaria alternata</b> Say.	East Florida.
193	xxxix		<b>Bullina canaliculata</b> Say. <i>Volvaria canaliculata</i> Say.	South Carolina.
194	xl		<b>Cardita tridentata</b> Say. <i>Venericardia tridentata</i> Say.	South Carolina.
			On page 4 of cover—	
195			<b>Alasmodonta fragosa</b> Say.	Bay. Teche, not N. O.
195			<b>Ampullaria urceus</b> L. <i>A. rugosa</i> Lam.	Doubtful in the Mississippi.

## Part V.—August, 1832.

195	xli		<b>Unio lapillus</b> Say.	
196	xlii		<b>camptodon</b> Say.	New Orleans.
196	xliii		<b>lugubris</b> Say. <i>U. ater</i> Lea.	Bayou Teche, La.
198	xliv		<b>Crepidula plana</b> Say.	New York to Florida.
199	xlv		<b>Modiola papuana</b> d'Arg. <i>Musculus papuanus</i> d'Arg. <i>Modiola papuana</i> Lam.	Maine.
36	xlvi	1-3	<b>Helicina orbiculata</b> Say. <i>Olygyra orbiculata</i> Say.	Florida.
36	xlvi	4-6	<b>oculta</b> Say.	New Harmony, Ind.
199	xlvii	2	<b>Melania Virginica</b> Gmelin. <i>Buccinum Virginicum</i> Gmelin. <i>Paludina Virginica</i> Say. <i>M. fasciata</i> Mke.	Delaware & Schuyl-kill rivers.
199	xlvii	2	<b>multilineata</b> Say. <i>M. curta</i> Mke.	Philadelphia & N. J.
200	xlvi	4	<b>semicarinata</b> Say.	Kentucky.
200	xlvi	1	<b>laqueata</b> Say.	Cumberland river.
200	xlvi		<b>Ranella caudata</b> Say.	
201	xlix	1	<b>Cerithium muscarum</b> Say.	Florida.
202	xlix	2	<b>septemstriatum</b> Say.	Florida.
203	xlix	3	<b>ferrugineum</b> Say.	Florida.

P. of repr.	Pl.	Fig.	Name.	Locality.
204	1		<b>Mytilus hamatus</b> Say. <i>M. striatus</i> Barnes.	Gulf of Mexico.
205			On page 4 of cover— <i>Sigaretus perspectivus</i> } = <b>Cryptostoma.</b> <i>maculatus</i> }	
205			<b>Unio globulus</b> Say.	Bayou Teche.
205			<b>Venericardia cribraria</b> Say.	New Jersey.
Part VI.—April, 1834.				
205	ii		<b>Unio nexus</b> Say. <i>U. arciformis</i> Lea.	Tennessee.
207	lii		<b>apiculatus</b> Say. <i>U. asper</i> Lea.	New Orleans.
207	liii		<b>quadrulus</b> Raf. <i>U. rugosus</i> Barnes. <i>asperimus</i> Lea. <i>lachrymosus</i> Lea.	Ohio & N. Orleans.
210	liv	1	<b>Planorbis lentus</b> Say.	N. Orleans & Mexico.
210	liv	2	<b>trivolvus</b> Say. <i>Cochlea</i> f.c. Lister.	Canada to Missouri.
210	liv	3	<b>bicarinatus</b> Say. <i>Helix angulatus</i> Raokett.	Canada to Missouri.
211	lv	1	<b>Limneus emarginatus</b> Say.	Canada and Maine.
211	lv	2	<b>catascoplum</b> Say.	Penn'a and N. Y.
211	lv	3	<b>decidiosus</b> Say.	N. Y., Pa., and Ind.
218	lvi	1	<b>Pecten Islandicus</b> Müller. <i>Ostrea Islandica</i> Müller. <i>cinnabarina</i> Born. <i>Pealeii</i> Conrad.	Northern coast.
214	lvi	2	<b>dislocatus</b> Say.	South Carolina.
216	lvii	1	<b>Nassa uncinata</b> Say.	South Carolina.
216	lvii	2	<b>vibex</b> Say.	S. Carolina and N. J.
216	lvii	3	<b>acuta</b> Say.	Southern coast.
218	lviii		<b>Ostrea equestris</b> Say.	S. C., Ga., Antilles.
219	lix		<b>Cytherea albaria</b> Say (fossil).	South Carolina.
222	lx	1	<b>Petricola pholadiformis</b> Lam. <i>P. fornicata</i> Say.	Maine to Florida.
222	lx	2	<b>dactylus</b> Sowb. <i>P. flagellata</i> Say.	South Carolina.
222			<b>Cryptostoma</b> Say (n. g.)	
223			<b>perspectivus</b> Say.	
223			<b>maculatus</b> Say.	

[With this number appeared "An attempt to exhibit a Synonymy of the Western North American species of the genera *Unio* and *Alasmodonta*." The list is here given, the paging referring to the reprint.—W. G. B.]

Page.	No.		Page.	No.	
223	1	<b><i>Unio niger</i> Raf.</b> <i>U. cuneatus</i> Barnes.	224	16	<b><i>Unio truncatus</i> Raf.</b> <i>U. undatus</i> B., var. a. <i>elegans</i> Lea.
223	2	<b><i>cariosus</i> Say.</b> <i>U. viridis</i> Raf. <i>siliquoides</i> B., var. <i>radiatus</i> ? Gmel.	224	17	<b><i>interruptus</i> Raf.</b> <i>U. brevidens</i> Raf.
223	3	<b><i>fasciatus</i> Raf.</b> <i>U. carinatus</i> Barnes.	224	18	<b><i>lineolatus</i> Raf.</b> <i>U. depressus</i> R., y'ng. <i>securis</i> Lea.
223	4	<b><i>leptodon</i> Raf.</b> <i>U. planus</i> Barnes. <i>purpurescens</i> Sw. <i>tenuissimus</i> Lea.	224	19	<b><i>ellipsarius</i> Raf.</b> <i>U. ellipticus</i> Barnes. <i>crassus</i> Say.
223	5	<b><i>fragilis</i> Raf.</b> <i>U. gracilis</i> Barnes.	224	20	<b><i>fasciolaris</i> Raf.</b> <i>U. crassus</i> Wood? <i>ponderosus</i> Gray. <i>mucronatus</i> Barnes, young. <i>phaseolus</i> Hildr. <i>planulatus</i> Lea.
223	6	<b><i>nervosus</i> Raf.</b> <i>U. zig-zag</i> Lea. <i>donaciformis</i> Lea.	224	21	<b><i>verrucosus</i> Raf.</b> <i>U. tuberculatus</i> Bar.
223	7	<b><i>laevigatus</i> Raf.</b> <i>U. castaneus</i> ? Lea.	224	22	<b><i>flavus</i> Raf.</b> <i>U. rubiginosus</i> Lea.
223	8	<b><i>rectus</i> Lam.</b> <i>U. latissimus</i> Raf. <i>prælongus</i> Barnes.	224	23	<b><i>cyphius</i> Raf.</b> <i>U. Æsopus</i> Green.
223	9	<b><i>dilatatus</i> Raf.</b> <i>U. nasutus</i> Lam. <i>gibbosus</i> Barnes.	224	24	<b><i>metanevrus</i> Raf.</b> <i>U. nodosus</i> Barnes.
224	10	<b><i>cylindricus</i> Say.</b> <i>U. naviformis</i> Lam. <i>solenoides</i> Raf.	224	25.	<b><i>reflexus</i> Raf.</b> <i>U. cornutus</i> Barnes.
224	11	<b><i>cardium</i> Raf.</b> <i>U. ventricosus</i> Barnes. <i>occidens</i> Lea. <i>subovatus</i> Lea, var. <i>capax</i> Green, var.	224	26	<b><i>retusus</i> Raf.</b> <i>U. stapes</i> ? Lea, var.
224	12	<b><i>ovatus</i> Say.</b>	224	27	<b><i>flexuosus</i> Raf.</b> <i>U. pileus</i> Lea?
224	13	<b><i>fasciolus</i> Raf.</b> <i>U. multiradiatus</i> Lea.	224	28	<b><i>nodulatus</i> Raf.</b> <i>U. pustulatus</i> Lea.
224	14	<b><i>alatus</i> Say.</b> <i>U. megapterus</i> Raf.	224	29	<b><i>quadrulus</i> Raf.</b> <i>U. rugosus</i> Barnes. <i>lachrymosus</i> Lea. <i>asprerrimus</i> Lea.
224	15	<b><i>triqueter</i> Raf.</b> <i>U. triangularis</i> Bar. <i>cuneatus</i> Sw. <i>formosus</i> Lea, var.	224	30	<b><i>nodulosus</i> Wood.</b> <i>U. bullatus</i> Barnes. <i>verrucosus</i> B., var.

Page. No.	Name.	Page. No.	Name.	Locality.
	<i>U. verrucosus albus</i>	225 44	<b>Unio latus (Anod.) Raf.</b>	
	Hildr.		<i>U. dehiscens</i> Say.	
	<i>pustulosus</i> Lea.		<i>oriens</i> Lea.	
224 31	<b>Unio tuberculatus Raf.</b>	225 45	<b>heros</b> Say.	
	<i>U. verrucosus</i> Barnes.		<i>U. undulatus</i> Say.	
	<i>verrucosus purpureus</i> Hildr.	225 46	<b>lugubris</b> Say.	
	<i>tuberculosis</i> Val.		<i>U. ater</i> Lea.	
224 32	<b>subrotundus Raf.</b>		<i>atra</i> Desh.	
	<i>U. rotundatus?</i> Lam.	225 47	<b>interruptus</b> Say.	
	<i>orbiculatus</i> Hildr.		<i>U. trapezoides</i> Lea.	
	<i>circulus</i> Lea.	225 48	<b>apiculatus</b> Say.	
	<i>lens</i> Lea, y'g var.		<i>U. asper</i> Lea.	
224 33	<b>obliquatus Raf.</b>	225 49	<b>lapillus</b> Say.	
	<i>U. sulcatus</i> Lea.		<i>U. fabalis</i> Lea.	
224 34	<b>triangularis Raf.</b>	225 50	<b>monodontus</b> Say.	
	<i>U. ellipsis</i> Lea.		<i>U. soleniformis</i> Lea.	
224 35	<b>scalenius Raf.</b>	225 51	<b>metallicus</b> Say.	
	<i>U. decisus</i> Lea, var.		<i>U. cuprinus</i> Lea.	
224 36	<b>obovalis Raf.</b>	225 52	<b>nexus</b> Say.	
	<i>U. ebenus</i> Lea.		<i>U. areolariformis</i> Lea.	
224 37	<b>stegarius Raf.</b>	225 53	<b>politus nob.</b>	
	<i>U. irroratus</i> Lea.		<i>U. subrotundus</i> Lea	
224 38	<b>mytiloides Raf.</b>		(not Raf.)	
	<i>U. cardiacea</i> Say of	225 54	<b>cicatricosus</b> Say.	
	Guérin.		<i>U. varicosus</i> Lea.	
	<i>pyramidatus</i> Lea.	225 55	<b>plicatus</b> Say.	
225 39	<b>cuneatus Raf.</b>		<i>U. variplicatus</i> Lam.	
	<i>U. patulus</i> Lea.	225 56	<b>parvus</b> Barnes.	
225 40	<b>gibbosus Raf.</b>		<i>U. glans?</i> Lea, var.	
	<i>U. perplexus.</i>	225 57	<b>undatus</b> Barnes.	
225 41	<b>costatus Raf.</b>		<i>U. trigonus</i> Lea.	
	<i>U. peruvianus?</i> Lam.	225 58	<b>subrostratus</b> Say.	
	<i>undulatus</i> Barnes.		<i>U. iris</i> Lea.	
225 42	<b>teres Raf.</b>	225 1	<b>Alasmodontamarginata</b>	
	<i>U. anodontoides</i> Lea.		Say.	
225 43	<b>Ohioensis (Anod.)</b>		<i>Unio calceolus</i> Lea.	
	Raf.	225 2	<b>costata</b> Raf.	
	<i>Symph. laevissimus</i> Lea.		<i>A. rugosa</i> Barnes.	
	<i>inflatus?</i> Lea,	225 3	<b>occomplanata</b> Barnes.	
	var.			
P. of repr.	Name.		Locality.	
	On page 4 of cover—			
225	<b>Pecten varius</b> Linn.		Northern coast.	
225	<b>Helix irrorata</b> Say = <b>H. lactea</b> Müll.			

P. of repr.	Pl.	Fig.	Name.	Locality.
225			<i>Melania acuta</i> Lea = <i>M. semicarinata</i> Say.	
226			<i>Valvata arenifera</i> Lea = <i>Phrygania</i> .	
226			<i>Carocolla hesicoides</i> Lea } = <i>Helix palliata</i> (var. a) Say.	
226			<i>Helix denotata</i> Per. }	
226			<i>Carolinensis</i> Lea = <i>H. appressa</i> (var. a) Say.	
226			<i>Melania tuberculata</i> Lea = <i>M. stygia</i> Say.	
226			<i>elongata</i> Lea = <i>M. elevata</i> Say.	

On page 4 of cover—

235			<i>Helix aspersa</i> is said to be found in North America.	
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#### Part VII.—No date.

(Published by Mr. CONRAD after Mr. SAY's death.)

226	lxi	1	<i>Donax variabilis</i> Say.	Georgia and Florida.
226	lxi	2	<i>fossor</i> Say.	N. J. and Maryland.
226	lxii		<i>Cyrena Carolinensis</i> Say.	S. C., Fla., Ala., Ga.
			<i>Cyclas Carolinensis</i> Bosc.	
226	lxiii		<i>Venus alveata</i> Conrad (fossil).	Charleston.
			<i>V. paphia</i> Lam. ?	
227	lxiv	1	<i>Tellina brevifrons</i> Say.	South Carolina.
228	lxiv	2	<i>mera</i> Say.	South Carolina.
228	lxv	1	<i>alternata</i> Say.	S. C., Ga., and Fla.
228	lxv	2	<i>polita</i> Say.	S. C. and Florida.
228	lxv	3	<i>tenta</i> Say.	South Carolina.
229	lxiv	3	<i>tenuis</i> Da Costa.	Charleston.
			<i>T. levis</i> Lister.	
229	lxvi		<i>Arca zebra</i> Swainson.	Florida.
230	lxvii		<i>Unio truncatus</i> Raf.	Western waters.
			<i>U. elegans</i> Lea.	
230	lxviii		<i>lineolatus</i> Raf.	Ohio, Alabama, and
			<i>U. depressa</i> Raf.	Bl. Warrior rivers.
			<i>securis</i> Lea.	
231			<i>Venus cingenda</i> Dillw.	
			<i>V. cancellata</i> Lam.	
			<i>elevata</i> Conrad.	
231			<i>Chiton apiculatus</i> Say.	South Carolina.

Say.—10. A Glossary to Say's Conchology. New Harmony, Ind., 1832. (Issued with No. 5 of the Conchology.)

[No descriptions being given, it is not included in Binney's edition, nor is the following.—W. G. B.]



**Say.**—11. Catalogue of Exotic Shells in my Cabinet, 1833.

**Prime.**—List of known species of *Pisidium*, with their Synonymy: by TEMPLE PRIME. (From Annals of New York Lyceum of Natural History, vol. vii. March, 1859.)

Page.		Page.	
94	<b><i>Pisidium abditum</i> Hald.</b> <i>Cyclas minor</i> C. B. Ad. <i>P. minus</i> Stimp. <i>Kurtzi</i> Prime. <i>zonatum</i> Prime. <i>regulare</i> Prime. <i>notatum</i> Prime. <i>ampulum</i> Ingalls. <i>resartum</i> Ingalls. <i>rubrum</i> Lewis MS. <i>plenum</i> Lewis.	102	<b><i>Pisidium Steenbuchi</i> Morch.</b> <i>Cyclas Steenbuchi</i> Möll.
		102	<b>tenellum</b> Gould. <i>P. rubellum</i> Prime.
		102	<b>variable</b> Prime. <i>P. grande</i> Whitt. MS.
		102	<b>ventricosum</b> Prime.
		102	<b>Virginicum</b> Bgt. <i>Tellina Virginica</i> Gmel. <i>pusilla</i> (pars) Dillw. <i>Cyclas Virginica</i> Fer. <i>dubia</i> Say. <i>dubiosa</i> Say. ( <i>Physemoda</i> ) <i>æqualis</i> Raf.
95	<b>Adamal</b> Prime. <i>Cyclas nitida</i> Migh.		<i>P. abruptum</i> Hald. <i>dubium</i> Hald. <i>æquale</i> Raf.
97	<b>compressum</b> Prime. <i>Cyclas altilis</i> Anth. <i>P. altile</i> Anth.		
98	<b>equilaterale</b> Prime.		
98	<b>ferrugineum</b> Prime.		
100	<b>Novi-Eboraci</b> Prime.		
101	<b>rotundatum</b> Prime.		

**Cooper.**—Report upon the Mollusca collected on the Survey: by WM. COOPER. (In Reports on the Natural History, &c., of Minnesota, Nebraska, Washington, and Oregon Territories, made in connection with the Pacific Railroad Survey. New York, 1859.)

[Descriptions of new species only are given, and full notes of locality, &c.—W. G. B.]

Page.		Page.	
369	<b><i>Murex foliatus</i> Gmelin.</b> <i>M. monodon</i> Esch. <i>Cerastoma monodon</i> Carp. <i>foliatum</i> Carp.	369	<b>Triton Oregonense</b> Redf. <i>Tritonium</i> ( <i>Buccinum</i> ) <i>cancellatum</i> Midd. <i>Fusus Oregonensis</i> Reeve. <i>cancellatus</i> Reeve. <i>Triton cancellatum</i> ( <i>Oregonense</i> ) Carp.
369	<b>festivus</b> Hinds. <i>Pteronotus festivus</i> Carp.		

Page.		Page.	
370	<b>Crysdomus antiquus</b> <i>Swainson?</i> Carp. <i>Murex antiquus</i> Linn. <i>Fusus antiquus</i> Lam. <i>Tritonium (Fusus) antiquum</i> Midd. var. <i>Behringiana</i> Midd.	374	<b>Turritella Eschrichtii</b> Midd.
370	<b>Middendorfi</b> Cooper. <i>Tritonium (Fusus) decem-</i> <i>costatum</i> Midd., nec Say.	374	<b>Littorina rudis</b> Gould. <i>L. Barclayana?</i> Hinds.
371	<b>sitchensis</b> Carp. [Midd. <i>Tritonium (Fusus) sitchense</i>	374	<b>scutulata</b> Gould.
371	<b>Nassa mendica</b> Gould.	374	<b>planaxis</b> Nutt.
371	<b>Gibbati</b> Cooper (n. sp.)	375	<b>Trochus filiosus</b> Wood. <i>T. ligatus</i> Gould. <i>modestus</i> Midd.?
371	<b>Purpura lactuca</b> Esch. <i>Murex lactuca</i> Esch. <i>ferrugineus</i> Esch. <i>P. septentrionalis</i> Reeve. <i>Muricidia lactuca</i> Carp.	375	<b>schantaricus</b> Midd.
372	<b>ostrina</b> Gould. [Desh. <i>P. Freycinetii</i> Midd., non <i>decemcostata</i> Midd.	375	<b>Haliotis Kamtschatkana</b> Jonas.
372	<b>lapillus</b> Linn.	375	<b>Pisurella nigropunctata</b>
372	<b>emarginata</b> Desh. <i>P. Conradi</i> Nutt.	375	<b>aspera</b> Esch. [Sowb. <i>F. cratilia</i> Gould? <i>denseclathrata</i> Reeve?
372	<b>Monoceros engonatum</b> Con. <i>Purpura (Monoceros) engo-</i> <i>nata</i> Conr. <i>M. unicarinarum</i> Reeve.	376	<b>Nacella instabilis</b> Carp.?
373	<b>lapilloides</b> Conr. <i>M. punctatum</i> Gray.	376	<b>Acmæa pelta</b> Carp.?
373	<b>Columbella gausapata</b> Gld.	376	<b>persona</b> Carp.?
373	<b>valga</b> Gould.	376	<b>spectrum</b> Carp.?
373	<b>Natica Lewisii</b> Gould. <i>N. herculea</i> Midd.	376	<b>scabra</b> Carp.?
373	<b>Potamis pullatus</b> Gould. <i>Cerithidæ pullata</i> Carp.	376	<b>æruginea</b> Carp.?
374	<b>Melania plicifera</b> Lea.	376	<b>Scurria mitra</b> Carp.?
374	<b>silicula</b> Gould.	376	<b>Chiton muscosus</b> .
374	<b>shortænsis</b> Lea.	376	<b>submarmoreus</b> .
374	<b>Amnicola Nuttalliana</b> Lea. <i>Paludina Nuttalliana</i> Lea.	376	<b>tunicatus</b> .
374	<b>seminalis</b> Hinds. <i>Paludina seminalis</i> Hinds. <i>Bithinia seminalis</i> Carp.	376	<b>lignosus</b> .
		376	<b>Helix fidelis</b> Gray. <i>H. Nuttalliana</i> Lea.
		376	<b>Townsendiana</b> Lea.
		376	<b>Columbiana</b> Lea. <i>H. labiosa</i> Gould.
		377	<b>Vancouverensis</b> Lea.
		377	<b>devia</b> Gould. <i>H. Baskervillei</i> Pfr.
		377	<b>tudicoulata</b> Binney.
		377	<b>Succinea Nuttalliana</b> Lea.
		377	<b>Limax Columbianus</b> Gould.
		378	<b>Lymnæa umbrosa</b> Gould.
		378	<b>emarginata</b> Say.
		378	<b>jugularis</b> Say.
		378	<b>Physa elongata</b> Say.
		378	<b>heterostropha</b> Say.
		378	<b>bullata</b> Gould. MS.
		378	<b>Ancylus caurinus</b> Coop. n. s.?
		378	<b>Planorbis corpulentus</b> Say.

- | Page. |                                   | Page. |                                     |
|-------|-----------------------------------|-------|-------------------------------------|
| 378   | <i>Planorbis trivolvis</i> Say.   |       | <i>Tapes diversa</i> Sowb.          |
| 378   | <i>planulatus</i> Cooper, n. sp.  |       | <i>straminea</i> Carp.              |
| 379   | <i>Bulla nebulosa</i> Gould.      |       | <i>Saxidomus Pettitii</i> Carp.     |
| 379   | <i>tenella</i> Adams.             | 383   | <i>Saxidomus Nuttalli</i> Conr.     |
| 379   | <i>Ostrea edulis</i> Linn. [Desh. |       | <i>Venerupis gigantea</i> Desh.     |
| 379   | <i>Anomia machroschisma</i>       |       | <i>Venus maxima</i> Philippi.       |
|       | <i>Placunanomia macroschisma</i>  |       | <i>S. gigantea</i> Carp.            |
|       | Carp.                             | 383   | <i>Venus lamellifera</i> Conr.      |
| 379   | <i>Pecten caurinus</i> Gould.     |       | <i>Venerupis cordieri</i> Desh.     |
| 380   | <i>ventricosus</i> Sowb.          |       | (var. <i>fl.</i> )                  |
|       | <i>P. tumidus</i> Sowb.           |       | <i>Petricola cordieri</i> Desh.     |
| 380   | <i>Mytilus edulis</i> Linn.       |       | <i>Rupellaria lamellifera</i> Car.  |
| 380   | <i>Californianus</i> Conr.        | 384   | <i>Lutraria maxima</i> Midd.        |
| 380   | <i>Modiola capax</i> Conr.        |       | <i>L. capax</i> Gould.              |
| 380   | <i>fabellata</i> Gould.           | 384   | <i>Tellina nasuta</i> Conr.         |
| 380   | <i>Lithodomus</i> .               | 384   | <i>edentula</i> Brod. & Sowb.       |
| 381   | <i>Arca grandis</i> Brod. & Sowb. | 384   | <i>bodegensis</i> Hinds. [Conr.     |
| 381   | <i>Margaritana margaritifera</i>  | 385   | <i>Sanguinolaria Californiana</i> . |
|       | Lea.                              | 385   | <i>Solen sicarius</i> Gould.        |
|       | <i>Mya margaritifera</i> Linn.    | 385   | <i>Machaera Nuttalli</i> Carp.      |
|       | <i>Margar. fluviatilis</i> Schum. |       | <i>Solen maximus</i> Wood, neo      |
|       | <i>Alasmodonta falcata</i> Gld.   |       | Chemn.                              |
| 381   | <i>Anodonta angulata</i> Lea.     |       | <i>Solecurtus Nuttalli</i> Conr.    |
|       | <i>A. feminalis</i> Gould.        |       | <i>M. costata</i> Midd.             |
| 381   | <i>Oregonensis</i> Lea.           |       | <i>marima</i> Gould.                |
| 381   | <i>Wahlamatensis</i> Lea.         | 385   | <i>Mya cancellata</i> Conr.         |
| 382   | <i>Cardium Nuttalli</i> Conr.     |       | <i>Platyodon cancellatum</i> Con.   |
| 382   | <i>quadragenarium</i> Conr.       | 385   | <i>Sphaenia Californica</i> Conr.   |
| 382   | <i>Lucina Californica</i> Conr.   |       | <i>Cryptomya Californica</i> Con.   |
| 382   | <i>Cyclos</i> —, n. sp.           | 386   | <i>Mytilimeria Nuttalli</i> Conr.   |
| 382   | <i>Venus staminea</i> Conr.       | 386   | <i>Pholas penita</i> Conr.          |
|       | <i>Venerupis Pettitii</i> Desh.   |       | <i>Pholas concamerata</i> Desh.     |
|       | <i>Venus rigida</i> Gould.        |       | <i>Parapholas penita</i> Conr.      |

In Appendix—*Machaera Nuttalli* = *M. patula*.

**Binney—Gould.**—The Terrestrial Air-breathing Mollusks of the United States, and the adjacent Territories of North America, described and illustrated by AMOS BINNEY: edited by A. A. GOULD. Boston, vols. i, ii, 1851; vol. iii (plates), 1857.

[In vol. i, are general remarks on classification, history, geographical distribution, &c., with Special Anatomy by Dr. J. LEIDY.]

Vol. I.—1851.

Page.	Name.	Locality.
48	<i>Odotropis Raf.</i>	
49	<i>Mesomphix Raf.</i>	
49	<i>Tridopsis Raf.</i>	
49	<i>Xolotrema Raf.</i>	
49	<i>Chimotrema Raf.</i>	
49	<i>Toxotrema Raf.</i>	
49	<i>Stenotrema Raf.</i>	
49	<i>Aplodon Raf.</i>	
49	<i>Mesodon Raf.</i>	
49	<i>Omphalina Raf.</i>	
50	<i>Agatina variegata Raf.</i>	Louisiana
50	<i>fuscata Raf.</i>	Texas.
51	<i>Philomycus quadrilus Raf.</i>	Hudson river.
52	<i>oxurus Raf.</i>	New York.
52	<i>fuscus Raf.</i>	Ohio.
52	<i>flexuolaris Raf.</i>	Catskill mountains.
52	<i>Eumelus nebulosus Raf.</i>	Ohio and Kentucky.
52	<i>lividus Raf.</i>	Ohio, Indiana, and Ky.
53	<i>Hemiloma ovata Raf.</i>	Lexington.
53	<i>Limax gracilis Raf.</i>	Kentucky.

Page.	Plate.	Fig.	Name.	Page.	Plate.	Fig.	Name.
			Anatomy of—				Anatomy of—
248	i		<i>Limax variegatus.</i>	255	ix	4	<i>Helix fuliginosa.</i>
249	ii	1-4	<i>Arion hortensis.</i>	255	ix	5-6	<i>auriculata.</i>
250	ii	5-6	<i>Limax campestris.</i>	256	ix	7-9	<i>pulchella.</i>
250	ii	7-9	<i>agrestis.</i>	256	x	1-3	<i>exoleta.</i>
250	iii		<i>Tebennophorus Caro-</i>	256	x	4-5	<i>elevata.</i>
			<i>linensis.</i>	256	xi	1-4	<i>Sayii.</i>
251	iv		<i>Vaginulus Floridanus.</i>	257	xi	5-6	<i>hirsuta.</i>
252	v		<i>Bulimus fasciatus.</i>	257	xi	7-9	<i>thyroidus.</i>
252	vi		<i>Helix albolabris.</i>	257	xii	1-3	<i>intertexta.</i>
253	vii	1	<i>cellaria.</i>	257	xii	4-7	<i>ligera.</i>
253	vii	2-5	<i>alternata.</i>	258	xii	9-11	<i>concaua.</i>
253	vii	4-7	<i>perspectiva.</i>	258	xiii	1-3	<i>Succinea obliqua.</i>
253	vii	8	<i>palliata.</i>	258	xiv		<i>Glandina truncata.</i>
254	viii	1-6	<i>multilineata.</i>	259	xv	2-4	<i>Pupa incana.</i>
254	viii	7-10	<i>solitaria.</i>	259	xv	5-6	<i>Bulimus decollatus.</i>
255	viii	11	<i>Berlandieriana.</i>	259	xv	7-8	<i>virgulatus.</i>
255	ix	1-3	<i>profunda.</i>	259	xvi		<i>Glandina truncata.</i>

## Vol. II.—1851.

[NOTE.—The localities are combined in the quotations from vol. iv.—W. G. B.]

Pa.	Plate.	Fig.	Name.	Pa.	Plate.	Fig.	Name.
			<b>LIMACIDÆ.</b>	66			<i>Succinea Wardiana</i> Lea = <i>avara</i> .
17	lxvii		<i>Vaginulus Floridanus</i> Binney.	66			<i>Totteniana</i> Lea = <i>ovalis</i> Say. [Gld.
20	lxiii	1-2	<i>Tebennophorus Caro-</i> <i>linensis</i> Bosc.	66			<i>Nuttalliana</i> = <i>ovalis</i> <i>inflata</i> = <i>campestris</i> .
			<i>Limax Carolinensis</i> Bosc.	66			<i>retusa</i> = <i>ovalis</i> Gld.
			<i>Carolinianus</i> De Boissy.	67	lxvii b	1	<i>lineata</i> De Kay? <i>campestris</i> Say.
			<i>togata</i> Gould.	67			<i>S. inflata</i> Lea. [Gld.
			<i>Philomycus Carolinen-</i> <i>sis</i> Fer.	67			<i>aperta</i> Lea = <i>rotundata</i> <i>Nuttalliana</i> Lea.
24	lxiii	3	<i>dorsalis</i> Binn. [Binn.	67			(sp. dist.)
			<i>Philomycus dorsalis</i> <i>Arion hortensis</i> Fer.	69	lxvii b	3	<i>Oregonensis</i> Lea. (sp. dist.)
27	lxiv	1	<i>foliolatus</i> Gould.				<i>obliqua</i> Say.
	lxv	2	<i>Limax lineatus</i> DeKay?				<i>S. ovalis</i> Say. <i>campestris</i> Gld. &c.
30	lxvi	2	<i>marmoratus</i> DeKay?				<i>Totteniana</i> Lea.
33			<i>gracilis</i> Raf.?	72			<i>Totteniana</i> Lea. (sp. dist., A. A. G.)
33			<i>variegatus</i> Drap.				<i>avara</i> Say.
34	lxv	1	<i>L. flavus</i> Binn.	73	lxvii c	4	<i>S. vermata</i> Say. <i>Wardiana</i> Lea.
36	lxiv	2	<i>agrestis</i> Müll.				<i>luteola</i> Gould.
			<i>L. tunicata</i> Gould.	75	lxvii c	1	<i>aurea</i> Lea.
41	lxiv	3	<i>campestris</i> Binn.	76	lxvii c	3	<i>Oregonensis</i> Lea.
43	lxvi	1	<i>Columbianus</i> Gould.	77	lxvii c	2	<i>ovalis</i> Gould.
			<b>HELICIDÆ.</b>	78	lxvii a	3	<i>Nuttalliana</i> Lea.
55	lxvii a	1	<i>Vitrina pellucida</i> Müll. =	81	lxvii a	4	<i>Concordialis</i> Gould.
58			<i>V. limpida</i> A. A. G.	82	lxvii a	2	<i>Helix major</i> Binney.
63			<i>Succinea ovalis</i> Say.	96	i		<i>H. albolabris</i> Fer.
63			<i>campestris</i> Say.	99	ii		<i>albolabris</i> Say.
63			<i>avara</i> Say.	103	iii		<i>multilineata</i> Say.
63			<i>obliqua</i> Say.	105	vii		<i>Pennsylvanica</i> Green.
64			<i>avara</i> Say.	107	iv		<i>clausa</i> Say.
64			<i>vermeta</i> Say.				<i>H. Mitchelliana</i> Lea. <i>Mitchella</i> Kirtl.
64			<i>undulata</i> Say.	109	xlx	1-2	<i>Berlandieriana</i> Mor.
64			<i>campestris</i> Say.	111			<i>H. pachyloma</i> Mks.?
64			<i>ovalis</i> Say.	111	viii		<i>hortensis</i> Müll.
65			<i>obliqua</i> Say.				<i>H. subglobosa</i> Binn.
65			<i>avara</i> Say.	115	xlxiii		<i>Buffoniana</i> Pfr.
			<i>S. vermata</i> Say.				<i>H. aspersa</i> (in pl.)
65			<i>undulata</i> Say.	116			<i>aspersa</i> Müll.
65			<i>retusa</i> Lea.	117	xvi		<i>tudiculata</i> Binney.
65			<i>aperta</i> Lea.	119	vi a, vi	1	<i>Nickliniana</i> Lea.
65			<i>Wardiana</i> Lea.	121	vi	2	<i>Californiensis</i> Lea.
65			<i>Totteniana</i> Lea.	122	xiii a	2	<i>abjecta</i> Gould.
66			<i>Nuttalliana</i> Lea.	123	xlvi		<i>polychroa</i> Binney.
66			<i>aurea</i> Lea.				<i>H. submeris</i> Mighels.
66			<i>Oregonensis</i> Lea.	126	xlvii		<i>Pisana</i> Forb.?
66			<i>inflata</i> Lea.				

Pa.	Plate.	Fig.	Name.	Pa.	Plate.	Fig.	Name.
126	ix		<b>Helix elevata</b> Say. <i>H. Knoxvilleana</i> Fer. <i>Tennesseeensis</i> Lea.	183	xxvii		<b>Helix tridentata</b> Say. <i>H. fallax</i> Say.
129	xi		<b>thyroidus</b> Say.	186	xxviii		<b>auriculata</b> Say. [Say.
131	x		<b>exoleta</b> Binn. <i>H. zaleta</i> Binn. <i>albolabris</i> Fer., var.		xl		<i>Polygyra auriculata</i> <i>avara</i> Say. <i>Stenotrema avara</i> Hart. <i>H. Sayii</i> Wood.
134	xii		<b>dentifera</b> Binn.	189	xl a	4	<b>vultuosa</b> Gould.
136	xiv, xv		<b>palliata</b> Say. <i>H. obstricta</i> Say. <i>denotata</i> Fer. <i>notata</i> Desh. <i>Caroliniensis</i> Lea. <i>Carocolla helicoides</i>	191	xl v	1	<b>Texasiana</b> Mor. <i>H. auriculata</i> Binn.
140	xlii		<b>appressa</b> Say. [Lea. <i>H. linguifera</i> Fer. <i>Tridopsis appressa</i>	193	xxxix	2, 4	<b>fatigiata</b> Say. <i>H. Troostiana</i> Pfr. <i>Polygyra plicata</i> Say. <i>fatigiata</i> Say. <i>Dorfeuilleana</i> Lea. <i>Troostiana</i> Lea.
143	xl v	2-3	<b>inflecta</b> Say. [Beck. <i>H. clausa</i> Fer. <i>Gonostoma clausa</i> Held.	196	xxxviii		<b>septemvolva</b> Say. <i>H. planorbula</i> Lam. <i>cereolus</i> Pfr.
145	xxix a	2	<i>Tridopsis inflecta</i>	199	xl a	1	<b>leporina</b> Gould.
147	xli		<b>loricata</b> Gld. [Beck. <i>monodon</i> Rack. <i>H. fraterna</i> Say. <i>conveza</i> Desh. <i>Leaui</i> Ward.	201	xxxix	3	<b>pustula</b> Fer.
149			<b>hirsuta</b> Say. <i>H. stenotrema</i> Fer. <i>fraterna</i> Wood. <i>porcina</i> Say. <i>Tridopsis hirsuta</i> Beck.	202	xvii	3	<b>labyrinthica</b> Say.
150	xlii	3-4	<b>spinosa</b> Lea. (Car.) <i>Edgariana</i> Lea. <i>germana</i> Gould. <i>maxillata</i> Gould. <i>Nuttalliana</i> Lea. <i>H. fidelis</i> Gray.	204	xxxv		<b>liger</b> Say. <i>H. Rafinesquea</i> Fer. <i>Wardiana</i> Lea.
153	xli v		<b>Townsendiana</b> Lea.	206	xxxvi		<b>intertexta</b> Binn.
155	xli v		<b>concava</b> Say. <i>H. planorboides</i> Fer. <i>Circinaria planorboides</i> Beck.	208	xxiv		<b>solitaria</b> Say. <i>Euryomphala solitaria</i>
156	xl a	3	<b>Vancouverensis</b> Lea. <i>H. concava</i> Binn.	210	xxvi a		<b>strigosa</b> Gld. [Beck.
157	xl a	2	<b>Columbiana</b> Lea. <i>labiosa</i> Gould. <b>Mobiliana</b> Lea. <i>saxicola</i> Pfr. <i>H. Mouriniana</i> D'Orb.	211	xxii a	1	<b>sportella</b> Gould.
159	xviii		<b>pulchella</b> Müll. <i>H. minuta</i> Say.	212	xxv		<b>alternata</b> Say. <i>H. scabra</i> Lam. <i>Patula alternata</i> Held. <i>Euryomphala alternata</i> Beck.
161	xix		<b>profunda</b> Say. <i>H. Richardi</i> Fer.	216	xxvi		<b>Cumberlandiana</b> Lea. <i>Carocolla Cumberlandiana</i> Lea.
163	xxi		<b>Sayii</b> Binn. <i>H. diodonta</i> Say.	217	xxx	2	<b>striatella</b> Anth.
166	xx			219	xxx	3	<b>limatula</b> Binn.
169	v			221	xvii a	2	<b>minuscula</b> Binn. <i>H. minutissima</i> Lea.
170	xiii a			222	xxx		<b>fuliginosa</b> Griff. <i>H. lævigata</i> Fer. <i>capillacea</i> Pfr.
172	xlii	2		225	xxxii		<b>lucubrata</b> Say. <i>H. lævigata</i> Fer.
174	xxix a	4		227	xxxiv		<b>inornata</b> Say.
175	xvii	1		229	xxxiii		<b>subplana</b> Binn.
177	xxii			230	xxiv	4	<b>cellaria</b> Müll. <i>H. glaphyra</i> Say. <i>nitida</i> Dr.
180	xxiii			232	xlii	1	<b>demissa</b> Binn.
				233	xxii a	2	<b>lucida</b> Dr. <i>H. nitida</i> Müll. <i>hydrophila</i> Ingalls.

Pa.	Plate.	Fig.	Name.	Pa.	Plate.	Fig.	Name.
235	xxix	3	<i>Helix arborea</i> Say.	278	lviii		<i>Bulimus virgulatus</i> Fer.
236	xxix	1	<i>electrina</i> Gould.				<i>Helix (Cochlogena)</i>
238	xxix a	3	<i>Ottonis</i> Pfr.				<i>virgulata</i> Fer.
			<i>H. arborea</i> Pfr., var.				<i>B. Caribæorum</i> Lam.
239	xxix a	1	<i>capsella</i> Gould.				<i>multilineatus</i> Say.
			<i>H. rotula</i> Gould.				Menkei Green.
240	xxix a	2	<i>selenina</i> Gould.				<i>venosus</i> Rve.
242	xix	2	<i>indentata</i> Say.	280	1	1	<i>decollatus</i> Linn.
243	xvii	4	<i>cherrina</i> Say.				<i>Helix decollata</i> Linn.
245			<i>H. egena</i> .				<i>B. mutilatus</i> Say.
245	xxii a	3	<i>egena</i> Say.				<i>mutilatus</i> Jay.
247	xxx	4	<i>interna</i> Say.	283	iii	4	<i>lubricus</i> Müll.
			<i>H. pomum-Adami</i> Gr.				<i>Helix lubrica</i> Müll.
250	xxxvii	3-4	<i>gularis</i> Say.				<i>Achatina lubrica</i> Mke.
253	xxxvii	1	<i>suppressa</i> Say.				<i>Zua lubrica</i> Leach.
254	xxxvii	2	<i>lasmodon</i> Phillips.				<i>Cionella lubrica</i> Jeffr.
256	xxx	1	<i>perspectiva</i> Say.				<i>Columna lubrica</i> Ian.
			<i>H. parvula</i> Desh.				<i>Styloides lubricus</i> Fitz.
			<i>Euryomphala perspectiva</i> Beck. [Held.]	285	liii	4	<i>subula</i> Pfr.
			<i>Patula perspectiva</i>				<i>Achatina subula</i> Pfr.
258	xlviii	3	<i>multidentata</i> Binn.				<i>B. octonoides</i> Orb.
261	xlviii	1	<i>lineata</i> Say. [Beck.]	286	liii	1	<i>procerus</i> Adams.
			<i>Euryomphala lineata</i>				<i>exiguus</i> Say.
266	lv		<i>Bulimus fasciatus</i> Müll.	288			<i>Pupa exigua</i> Say =
	lvi		<i>Buccinum fasciatum</i>	288	lii	1	<i>Carychium</i> .
	lvii		<i>Bulla virginea</i> Linn.				<i>fallax</i> Gould. [Say.]
			<i>fasciata</i> Chemn.				<i>Cyclostoma marginata</i>
			<i>Bulim. vexillum</i> Brug.	290	lii	3	<i>Pupa fallax</i> Gould.
			<i>Helix vexillum</i> Fer.				<i>albilabris</i> Ad.
			<i>Achatina vexillum</i> Lk.	293	liii	3	<i>harpa</i> Say.
			<i>crenata</i> Sw.				<i>Helix harpa</i> Say.
			<i>pallida</i> Sw.	293	liii	3	<i>Pupa costulata</i> Migh.
			<i>fasciata</i> Sw.				<i>Achatina gracillima</i>
			<i>solida</i> Say.	294	liii	2	Pfr.
271	lii		<i>zebra</i> Müll.				<i>Bulim. gracillimus</i> Pfr.
			<i>Buccinum zebra</i> Müll.				<i>A. striato-costata</i> Orb.
			<i>Bulla zebra</i> Gmel.				<i>pellucida</i> Pfr.
			<i>Zebra Mülleri</i> Chem.	298	lxii a		<i>Tornatella Cubensis</i>
			<i>Bulimus undatus</i> Brug.				Pfr.
			<i>Helix undata</i> Fer.	299	lxii	1	<i>Glandina bullata</i> Gld.
			<i>Bulimus melanocheilus</i>				<i>G. truncata</i> Gould.
			Val.				<i>Vanuxemensis</i> Lea.
			<i>Achat. pulchella</i> Spix.	301	lix		<i>Achatina Vanuxemensis</i>
			<i>Bulimus princeps</i> Brod.		lx		Rve.
			<i>Achat. flammigera</i> S.		lxi	2	<i>truncata</i> Say.
274	1	2	<i>serperastrus</i> Say.				<i>Bulla truncata</i> Gmel.
			<i>B. nitelinus</i> Rv.				<i>Buccinum striatum</i> Ch.
			<i>lilacinus</i> Rv.				<i>Bulimus striatus</i> Brug.
276	li		<i>dealbatus</i> Say.				<i>Cochlicopa rosea</i> Fer.
	li a		<i>Helix dealbata</i> Say.				<i>Achatina rosea</i> Desh.
	li b		<i>Zebrina dealbata</i> Held.	306	lxix	1	<i>truncata</i> Orb.
			<i>B. alternatus</i> Say.				<i>Polyphemus glans</i> Say.
278			<i>Schiedeanus</i> Pfr.				<i>Cylindrella pontifoa</i>
278			<i>lactarius</i> Mke.				Gould.
							<i>Pupa pontifoa</i> Gould.

Pa.	Plate.	Fig.	Name.	Pa.	Plate.	Fig.	Name.
309	lxix	2	<i>Cylindrella lactaria</i> Gd. <i>Pupa</i> ( <i>Siphonostoma</i> ) <i>lactaria</i> Gould.	337	lxxi	1	<i>Vertigo millium</i> Gould (out p. 338). <i>Pupa</i> <i>milium</i> Gould.
310	lxix	3	<i>jejuna</i> Gould.	339	lxxii	4	<i>Pupa corticaria</i> Say (out p. 340). [Say.
316	lxviii		<i>Pupa maritima</i> Pfr.				<i>Odostomia corticaria</i>
318	lii	2	<i>P. incana</i> Binn.	341	lxx	1	<i>rupicola</i> Say (out p. 342).
319	lii	2	<i>modica</i> Gould.				<i>P. procerca</i> Gould.
320	lxx	4	<i>armifera</i> Say (out p. 322.) [Mich.	343	lxxii	3	<i>simplex</i> Gould. [Say.
			<i>P. armigera</i> Pot. & <i>badia</i> Ad. (out, p. 324).	348	lxxii		<i>Cyclostoma dentatum</i>
323	lxx	3	<i>contracta</i> Say (out p. 324).	352	lxxiii		<i>Helicina orbiculata</i> S.
324	lxx	2	<i>decora</i> Gould. [326).	352	lxxiii	3	<i>Oligyra orbiculata</i> S.
327	lxxi	3	<i>pentodon</i> Say (out p. 330).		lxxiv		<i>Helicina rubella</i> Grn.
328	lxii	1	<i>Vertigo pentodon</i> Say.	252			? <i>castanea</i> Sowb.
			<i>P. curvidens</i> Gould.	253			<i>minuta</i> Sowb.
			<i>Tuppaniana</i> Ad.	253			<i>Ambeliana</i>
			<i>variolosa</i> Gould.	254			De Roissy.
331	lxxii	2	<i>Vertigo Gouldii</i> Binn.	354	lxxiv	4	<i>chrysochella</i> Binn.
332	lxxi	2	(out p. 333). <i>Pupa Gouldii</i> Binn.	356	lxxiv	2	<i>occulta</i> Say.
			<i>ovata</i> Say (out p. 336). <i>Pupa ovata</i> Gould.	358			<i>Oligyra occulta</i> Say.
334	lxxi	4	<i>modesta</i> Gould.				<i>Helix divesta</i> Gould.
							<i>H. abjecta</i> Gould.
							<i>dejecta</i> Gould.

[Wood-cuts of the lingual ribbon of many of the species are also given.—W. G. B.]

Vol. III, Plates.—1857.

Pa.	Plate.	Fig.	Name.	Pa.	Plate.	Fig.	Name.
9	xi a		<i>Helix bucculenta</i> Gld.	26			<i>Helix Nickliniana</i> Lea.
11			<i>devia</i> Gould. <i>H. Baskervillei</i> Pfr.	26			<i>H. Californiensis</i> Rve.
12			<i>ramentosa</i> Gould.				<i>Californiensis</i> Lea.
12			<i>seruginosa</i> Gould.	27			<i>H. vineta</i> Val.
13			<i>infumata</i> Gould.				<i>divesta</i> Gould.
13			<i>Oregonensis</i> Lea =	31			<i>H. abjecta</i> .
14			<i>Dupetithouarsi</i> Desh.				<i>lucubrata</i> Say.
14			<i>areolata</i> Sowb.	31			<i>H. fuliginosa</i> Rve.
15			<i>Pandoræ</i> Forbes. <i>H. Damascenus</i> Gld.	33	xlv	2	<i>septemvolva</i> Say (in- ternal lamina).
16			<i>exigua</i> Stimpson.	33			? <i>triodonta</i> Jan.
17			<i>Hindsi</i> Pfr.				<i>polychroa</i> Binn.
17			<i>Hopetonensis</i> Shuttl. <i>H. tridentata</i> Binn.,	34			<i>H. rhodocheila</i> in pl.
18			<i>Rugeli</i> Shuttl. [var.				<i>selenina</i> Gould.
19			<i>mordax</i> Shuttl.	34			<i>H. vortex</i> Pfr.
19			<i>Zonites placentula</i> <i>Shuttl.</i>	40	lxxii.	1	<i>tenuistriata</i> Bin.
20			<i>macilentia</i> Shuttl.				<i>Berlandieriana</i> Mor.
20			<i>Helix uvulifera</i> Shuttl.				<i>H. abolineata</i> in pl.
21			<i>barbigera</i> Redf.				<i>Pupa Tuppaniana</i> Ad.
23			<i>Elliotti</i> Redf.				(right hand fig.) <i>curvidens</i> Gould (left hand fig.)



**W. G. Binney.**—A Supplement to the same, constituting vol. iv: by W. G. BINNEY. (From the Boston Journal of Natural History, vol. vii, 1859.)<sup>1</sup>

SECTION I.—THE SPECIES OF THE PACIFIC COAST.

Page.	Plate.	Fig.	Name.	Locality.
6			<i>Arion foliolatus</i> Gould.	Puget sound.
6			<i>Limax Columbianus</i> Gould.	Pisqually & Puget s.
6			<i>Succinea Nuttalliana</i> Lea.	Lewis river, Oregon.
6			<i>Oregonensis</i> Lea.	Oregon.
6	lxxix	14	<i>rusticana</i> Gould.	Oregon.
7			<i>cingulata</i> Forbes (e. l.)	Mazatlan.
7			<i>aperta</i> Lea (e. l.)	
7			<i>Helix tudicoulata</i> Binney.	San Diego.
7			<i>Nickliniana</i> Lea.	California.
			<i>H. Californiensis</i> Chemn., &c.	
			<i>arboretorum</i> Val., &c.	
			<i>nemorivaga</i> Val.	
8	vi	1	<i>intercisa</i> W. G. Binney (mid. fig.)	Oregon.
			<i>H. Nickliniana</i> (var.) Binney.	
9	vi	1	<i>redimita</i> W. G. Binney.	California.
			<i>H. Nickliniana</i> (var.) Binney.	
11	lxxvi	5	<i>anachoreta</i> W. G. Binney.	California.
12			<i>reticulata</i> Pfr.	California.
12			<i>exarata</i> Pfr.	California.
13			<i>Californiensis</i> Pfr.	California.
			<i>H. vincta</i> Val.	
13			<i>ramentosa</i> Gould.	California.
14			<i>loricata</i> Gould.	California.
			<i>H. Lecontii</i> Lea.	
14			<i>germana</i> Gould.	Oregon.
14			<i>fidelis</i> Gray.	Oregon.
			<i>H. Nuttalliana</i> Lea.	
15	lxxix	2	<i>infumata</i> Gould.	San Francisco.
15			<i>Townsendiana</i> Lea.	Oregon.
15	lxxvi	4	<i>arrosa</i> Gould.	San Francisco.
			<i>H. æruginosa</i> Gould.	
15	lxxvi	9	<i>Dupetithouarsi</i> Desh.	California & Oregon.
			<i>H. Oregonensis</i> Lea.	
15	lxxix	21	<i>Mormonum</i> Pfr.	Mormon island, Cal.
16			<i>Columbiana</i> Lea.	Oregon.
			<i>H. labiosa</i> Gould.	

<sup>1</sup> Extra limital and spurious species are respectively designated by the letters e. l. and sp. being affixed to their names.

Page.	Plate.	Fig.	Name.	Locality.
17	lxxix	13	<b>Helix devia</b> Gould. <i>H. Baskervillei</i> Pfr.	Oregon.
17	lxxvi	12	<b>Kelletti</b> Forbes.	San Diego.
18	lxxvi	8	<b>Pandora</b> Forbes. <i>H. danascenus</i> Gould.	Santa Barbara.
18	lxxvi	10	<b>levis</b> Pfr.	Columbia river.
19	lxxvi	11, 3	<b>areolata</b> Sowerby.	Oregon & California.
19			<b>Vancouverensis</b> Lea. <i>H. vellicata</i> Forbes.	Columbia river.
19			<b>sportella</b> Gould.	San Diego, &c.
20	lxxvi	7	<b>Newberryana</b> W. G. B.	San Diego, &c.
22	lxxvi	6	<b>cultellata</b> Thompson.	Contra Costa co., Cal.
23			<b>strigosa</b> Gould.	Oregon, N. Mex., &c.
23			<b>Sagraiana</b> Orb. (sp.)	
23	lxxvi	1	<b>acutedenta</b> W. G. B. (e. l.)	
23	lxxvi	2	<b>Loisa</b> W. G. B. (e. l.)	
24			<b>aspera</b> Müll. (e. l.)	
24			<b>Mazatlanica</b> Pfr. (e. l.)	
24	lxxix	15	<b>Bullimus Californicus</b> Rve.	California.
24	lxxix	12	<b>excelsus</b> Gould. <i>B. elatus</i> Gould.	California.
25			<b>chordatus</b> Pfr. (e. l.)	
25			<b>Humboldti</b> Rve. (e. l.)	
25			<b>Mexicanus</b> Lam. (e. l.)	
25			<b>zebra</b> Müll. (e. l.)	
25			<b>Ziegleri</b> Pfr. (e. l.)	
25			<b>vegetus</b> Gould (e. l.)	
25			<b>vesicalls</b> Gould (e. l.) <i>B. sufflatus</i> Gould.	
25			<b>Laurentii</b> Sowerby (e. l.)	
26	lxxix	19	<b>Achatina Californica</b> Pfr.	Monterey, Cal.
26			<b>Glandina Albersi</b> Pfr. (e. l.)	
26			<b>turris</b> Pfr. (e. l.)	
26	lxxix	8	<b>Melampus olivaceus</b> Carp.	Mazatlan.
28	lxxix	20	<b>Truncatella Californica</b> Pfr.	San Diego.
		22	<i>T. gracilentata</i> Gould.	

## SECTION II.—THE SPECIES EAST OF THE ROCKY MOUNTAINS.

## Family Limacea.

29	<b>Vaginulus Floridanus</b> Binney.	Charlotte harbor.
30	<b>flexuolaris</b> (sp.)	
30	<b>fuscus</b> (sp.)	
30	<b>oxyurus</b> (sp.)	
30	<b>quadrius</b> (sp.)	

Page.	Plate.	Fig.	Name.	Locality.
30			<b>Tebennophorus Carolinensis</b> <i>Limax Carolinensis</i> Bosc. <i>marmoratus</i> De Kay.	E'rn, Midd., S'rn and Binney. W'rn States.
31			<b>dorsalis</b> Binney. <i>Philomycus dorsalis</i> Binney. <i>Limax dorsalis</i> De Kay.	Mass. and Vermont.
31			<b>bilineatus</b> Cart. (sp.)	
31			<b>Arion hortensis</b> Dr.	Boston, &c.
31			<b>empiricorum</b> Fer. (sp.)	
31			<b>foliolatus</b> Gould (sp.)	
31			<b>Limax variegatus</b> Dr. <i>L. flavus</i> De Kay.	Boston, &c.
31			<b>agrestis</b> Müll.	Boston, &c.
32			<b>campestris</b> Binney.	Massachusetts, &c.
32			<b>Columbianus</b> Gould (sp.)	
32			<b>fuliginosus</b> Gould (sp.)	
32			<b>olivaceus</b> Gould (sp.)	
32			<b>lineatus</b> De Kay (sp.)	
32			<b>gracilis</b> Raf. (sp.)	
32			<b>Eumelus lividus</b> Raf. (sp.)	
32			<b>nebulosus</b> Raf. (sp.)	
32			<b>Deroceras gracilis</b> Raf. (sp.)	
32			<b>Philomycus flexuolaris</b> Raf. (sp.) <i>fuscus</i> Raf. (sp.)	
32			<b>oxyurus</b> Raf. (sp.)	
32			<b>quadrilus</b> Raf. (sp.)	
32			<b>Testacina</b> Raf. (sp.)	
32			<b>Urcinella</b> Raf. (sp.)	
32			<b>Zilotea</b> Raf. (sp.)	
<b>Family Helicæ.</b>				
32	lxxix	9	<b>Vitrina Angelicæ</b> Bk. <i>Helix pellucida</i> Fabr. <i>domestica</i> Ström.	Greenland.
33			<b>limpida</b> Gould. <i>V. pellucida</i> De Kay. <i>Americana</i> Pfr.	From Maine & Lake Superior north.
34			<b>Succinea campestris</b> Say.	South Carolina, &c.
34	lxxx	11	<b>inflata</b> Lea. <i>S. campestris</i> (var.) Binney.	Georgia.
35			<b>obliqua</b> Say. <i>S. lineata</i> De Kay.	Canada to Arkansas.
35			<b>Totteniana</b> Lea. <i>S. obliqua</i> (var.) Binney.	Rhode Island, &c.

Page.	Plate.	Fig.	Name.	Locality.
35			<i>Succinea avara</i> Say. <i>S. varmeta</i> Say? <i>Wardiana</i> Lea.	Whole country.
37			<i>aurea</i> Lea. <i>S. ovalis</i> (var.) Anthony.	New York and Ohio.
37	lxxix	7	<i>retusa</i> Lea. <i>S. campestris</i> Anthony.	Ohio.
38	lxxx	4	<i>Greenlandica</i> Beck.	Greenland.
38	lxxx	5	<i>lineata</i> W. G. Binney.	Nebraska Territory.
40	lxxix	1	<i>Haydeni</i> W. G. Binney.	Nebraska Territory.
41			<i>luteola</i> Gould. <i>S. Texasiana</i> Pfr.	Texas.
41			<i>Concordialis</i> Gould. <i>S. munita</i> Binney.	L. Concordia, Tex.
41	lxxx	12	<i>effusa</i> Shuttl.	East Florida.
42	lxxix	18	<i>Salleana</i> Pfr. <i>putris</i> Linn. (sp.) <i>amphibia</i> Dr. (sp.)	New Orleans.
43			<i>Helix major</i> Binney. <i>H. albolabris</i> Pl.	Tenn. to Florida.
43			<i>albolabris</i> Say. <i>H. rufa</i> De Kay.	S. Car. to Arkansas, north to Canada.
45			<i>multilineata</i> Say.	N'n, Mid., W'rn St's, west of Aleg. mts.
45			<i>Pennsylvanica</i> Green. <i>H. Mitchelliana</i> Deah.	Middle States.
46			<i>clausa</i> Say. <i>H. Pennsylvanica</i> Pfr. <i>Mitchelliana</i> Chemn.	W'rn & S'rn States.
47	iv		<i>Mitchelliana</i> Lea. <i>H. clausa</i> pars Binney.	Ohio.
49	lxxvii	22	<i>Berlandieriana</i> Mor. <i>H. pachyloma</i> Mke. <i>virginialis</i> Pfr.	Southw'rn States and Mexico.
50	lxxvii	20	<i>griseola</i> Pfr. <i>H. cicercula</i> Fer. <i>splendidula</i> Anton. <i>albocincta</i> Binney. <i>albozosa</i> Binney. <i>albolineata</i> Gould. <i>Brandybana pisum</i> Beek.	Texas, Mexico, and Central America.
51			<i>hortensis</i> Mull. <i>H. subglobosa</i> Binney. <i>neboralis</i> Stimp.	Greenland, & Conn.? introduced on isl's of N. Atlan. coast.
51	lxxvii	4	<i>aspera</i> Mull.	

Page.	Plate.	Fig.	Name.	Locality.
51			<b>Helix divesta</b> Gould.	
			<i>H. abjecta</i> Gould.	
51	lxxviii	22	<b>varians</b> Mks.	Florida.
			<i>H. carnicolor</i> Pfr.	
			<i>pisana</i> Chemn.	
			<i>submeris</i> Mighels.	
			<i>rhodocheila</i> Binney.	
			<i>polychroa</i> Binney.	
52			<b>elevata</b> Say.	N'r'n & Middle St's.
			<i>H. Tennesseensis</i> Lea.	
53	lxxvii	10	<b>Clarkii</b> Lea.	North Carolina.
53			<b>thyroides</b> Say.	Canada to Texas.
			<i>Anchistoma thyroides</i> Ad., Gen.	
54			<b>buoculenta</b> Gould.	
			<i>H. thyroides</i> ♂ Pfr.	
54			<b>exoleta</b> Binney.	Georgia to Texas.
			<i>H. saleta</i> Binney.	[Ga., &c.
			<i>albolabris</i> (var.) Pfr., &c.	Midd. & N'r'n States,
55			<b>dentifera</b> Binney.	N. Y., Ohio, Vt., Va.,
55	lxxvii	3	<b>Roemeri</b> Pfr.	Texas. [Me., Pa.
			<i>H. dentifera</i> Pfr.	
56			<b>palliata</b> Say.	Whole country?
			<i>H. denotata</i> Fer.	
57			<b>obstricta</b> Say.	Ohio.
			<i>H. palliata</i> (var.) Binney.	
			<i>denotata</i> (var.) Fer.	
			<i>appressa</i> (var.) Desh.	
			<i>Carocolla helicoides</i> Lea.	
59			<b>appressa</b> Say.	W'r'n, Southw'r'n, &
			<i>H. linguifera</i> Fer.	Southern States.
59			<b>inflecta</b> Say.	Canada to Texas.
			<i>H. clausa</i> Raf. ( <i>Xolotrema</i> .)	
60	lxxviii	15	<b>Rugellii</b> Skuttl.	Tennessee.
60			<b>monodon</b> Rack.	Canada to Texas.
			<i>H. fraterna</i> Say.	
			<i>Leaui</i> Ward.	
			<i>hirsuta</i> Fer.	
			<i>convexa</i> Pfr.	
61			<b>stenotrema</b> Fer.	S'r'n & W'r'n States.
			<i>H. hirsuta</i> (var.) Binney.	
62			<b>hirsuta</b> Say.	Canada to Texas.
			<i>H. sinuata</i> ♀ Gmelin.	
			<i>isognomostomus</i> ♀ Gmelin.	
			<i>convexa</i> Raf. ( <i>Stenostoma</i> .)	
			<i>porcina</i> Say?	
			<i>Tridopsis hirsuta</i> Woodw.	

Page.	Plate.	Fig.	Name.	Locality.
63	lxxvii	2	<i>Helix barbiger</i> Redf.	Georgia.
63	lxxviii	7, 9	<i>Edwardsi</i> Bland.	Virginia.
65			<i>spinosa</i> Lea.	Ala., Ga., Tenn.
65			<i>Edgariana</i> Lea.	Tenn., Ark., Ala.
65			<i>maxillata</i> Gould.	Tennessee, Georgia.
65			<i>concava</i> Say.	Whole country.
			<i>H. planorboides</i> Raf.	
			<i>dissidens</i> Desh.	
67			<i>jejuna</i> Say.	Ala., Ga., Florida.
			<i>H. Mobilians</i> Lea, Binney.	
68			<i>incrustata</i> Poey.	Texas.
			<i>H. saricola</i> Gould.	
69			<i>pulohella</i> Müll.	Whole country?
			<i>H. costata</i> Müll.	
			<i>minuta</i> Say.	
70			<i>profunda</i> Say.	Middle States, &c.
			<i>H. Richardi</i> Fer.	
70			<i>Sayii</i> Binney.	Illinois to Me. & Pa.
			<i>H. diodonta</i> Say.	
70			<i>tridentata</i> Say.	All the States.
			<i>Tridopsis lunula</i> Raf.	
71			<i>fallax</i> Say.	All the States?
			<i>H. tridentata</i> (var.) Binney.	
72	lxxvii	16	<i>Hopetonensis</i> Shuttl.	Florida and Georgia.
72	lxxvii	14	<i>ventrosula</i> Pfr.	Texas. [Natchez.
73			<i>auriculata</i> Say (Polyg.)	Fla., S. C., Ga., and
74			<i>avara</i> Say (Polyg.)	
			<i>H. auriculata</i> pars. Binney.	
			<i>Sayii</i> Wood.	
75			<i>uvullifera</i> Shuttl. (fig.)	Florida.
			<i>H. florulifera</i> Rve.	
			<i>auriculata</i> min. Fer.	
75			<i>vultuosa</i> Gould.	Texas.
76	lxxviii	1, 3, 4	<i>Ariadne</i> Pfr.	Texas?
			<i>H. Couchiana</i> Lea.	
77	lxxviii	19	<i>hippocreps</i> Pfr.	Texas.
79			<i>Texasiana</i> Mor.	Texas.
			<i>H. triodonta</i> Fer.	
			<i>auriculata</i> Binney, olim.	
			<i>Tamaulipasensis</i> Lea.	
80	lxxviii	24	<i>Mooreana</i> W. G. Binney.	Texas.
81	lxxviii	21	<i>tholus</i> W. G. Binney.	Texas.
82			<i>fatigiata</i> Say.	Tennessee.
			<i>H. fatigiata</i> Binney, pars.	
			<i>auriculata</i> Binney olim.	

Page.	Plate.	Fig.	Name.	Locality.
			<i>H. Texasiana</i> (var. $\beta$ ) Desh.	
			<i>Dorfeuilliana</i> Desh.	
			<i>Helicina fastigiata</i> Desh.	
84	lxxviii	13	<b>Helix Hazardi</b> Bland.	Tenn. & Kentucky.
			<i>Polygyra plicata</i> Say.	
			<i>H. fatigiata</i> Binney, para.	
			<i>Texasiana</i> Pfr., &co.	
			<i>Dorfeuilliana</i> Desh.	
			<i>Troostiana</i> W. G. Binney.	
			<i>Helicina plicata</i> De Kay.	
86	lxxviii	2, 14	<b>Dorfeuilliana</b> Lea.	Ohio.
			<i>Polygyra Dorfeuilliana</i> Lea.	
			<i>H. fatigiata</i> Binney, para.	
88	lxxviii	11	<b>Troostiana</b> Lea (Pol.)	Tennessee.
			<i>H. fatigiata</i> Binney, para.	
			<i>plicata</i> Shuttl., &co.	
90	lxxvii	23	<b>cereolus</b> Muhlf.	Florida.
			<i>Polygyra septemvolva</i> Say.	
			<i>H. planorbula</i> Lam., &co.	
			<i>septemvolva</i> Binney.	
91	lxxviii	23	<b>microdonta</b> Desh.	Florida and Texas.
			<i>H. plana</i> Dunk.	
92	lxxviii	17	<b>volvexis</b> Pfr.	Georgia and Florida.
			<i>Polygyra septemvolva</i> Beck.	
92	lxxviii	5, 6, 8	<b>Hindsi</b> Pfr.	Texas.
92			<b>leporina</b> Gould.	Miss., Ark., Ga., Ill., and Ind.
			<i>H. pustula</i> $\beta$ Pfr.	
93			<b>pustuloides</b> Bland.	Georgia.
			<i>H. pustula</i> Binney in pl. non Fer.	
94	lxxvii	12	<b>pustula</b> Fer..	Ga., Fla., & Texas.
95			<b>labyrinthica</b> Say.	Whole country.
95			<b>ilgera</b> Say.	W'rn St's, Ky., Pa., and Ark.
			<i>H. Rafinesquea</i> Fer.?	
			<i>Wardiana</i> Lea.	
96			<b>intertexta</b> Binney.	W'rn & Mid. St's, &co.
96			<b>solitaria</b> Say.	W'rn, S. W'rn, &co.
97	lxxvii	11	<b>Cooperi</b> W. G. Binney.	Nebraska.
98			<b>alternata</b> Say.	Whole country.
			<i>H. scabra</i> Lam.	
			<i>inflecta</i> Pfr.	
			<i>strongylodes</i> Pfr.	
99			<b>mordax</b> Shuttl.	North Carolina.
99			<b>Cumberlandiana</b> Lea.	West Tennessee.
			<i>Carocolla Cumberlandiana</i> Lea.	

Page.	Plate.	Fig.	Name.	Locality.
99			<b>Helix striatella</b> <i>Anthony.</i> <i>H. ruderata</i> Adams.	E'rn, W'rn, and N'rn States, &c.
100			<b>limatula</b> <i>Binney.</i>	Northern States.
100	lxxvii	6, 7	<b>minutissima</b> <i>Lea.</i> <i>H. minuscula teste</i> Binney.	Ohio and N. York.
101	lxxix	4, 5	<b>miliium</b> <i>Morse.</i>	Maine.
102	lxxvii	19	<b>exigua</b> <i>Stimp.</i> <i>H. annulata</i> Case. <i>striatella jun.</i> Gould.	Mass. and Canada.
102			<b>minuscula</b> <i>Binney.</i> <i>H. minutalis</i> Mor. <i>apex</i> Adams. <i>Lavelleana</i> Orb. in text. <i>Mauriniana</i> Orb. in tab.	Whole country.
103	lxxvii	9	<b>asteriscus</b> <i>Morse.</i> <i>H. minutissima</i> Gould.	Maine.
104	lxxx	14	<b>kopnodes</b> <i>W. G. Binney.</i>	Alabama.
105			<b>fuliginosa</b> <i>Binney.</i> <i>H. lævigata</i> Fer. teste A. B. non W. G. B. <i>capillacea</i> Pfr. <i>Omphalina cuprea</i> Raf. ?	Whole country?
106	lxxx	2	<b>friabilis</b> <i>W. G. Binney.</i>	Ind., Ill., Ala., Tex.
107			<b>caduca</b> <i>Pfr.</i>	Texas.
108			<b>lævigata</b> <i>Pfr.</i> <i>H. lucubrata</i> Binney, non Say. <i>fuliginosa</i> Binney, olim. <i>inornata</i> Rve.	W'rn & S'rn States.
109			<b>inornata</b> <i>Say.</i> <i>H. glaphyra</i> Pfr.	N'rn, N. E'rn, W'rn, and Mid. St's, &c.
110			<b>subplana</b> <i>Binney.</i>	Tennessee.
110	lxxvii	15	<b>sculptilis</b> <i>Bland.</i>	North Carolina.
111			<b>cellaria</b> <i>Müll.</i> <i>H. glaphyra</i> <i>Say.</i>	N. E'rn & Mid. St's.
115	lxxix	10	<b>bulbina</b> <i>Desh.</i>	B'ks of O., Mo., Miss.
116			<b>demissa</b> <i>Binney.</i>	Pennsylvania.
116			<b>lucida</b> <i>Dr.</i> <i>H. nitida</i> Müll. <i>hydrophila</i> Ing.	New York and Ohio.
116			<b>arborea</b> <i>Say.</i>	U. S. and Canada.
116	lxxvii	18	<b>Ellioti</b> <i>Redf.</i>	Georgia and N. C.
117			<b>electrina</b> <i>Gould.</i>	E'rn, Mid., W'rn, &
117			<b>Otonis</b> <i>Pfr.</i>	Florida. [S'rn St's.
117			<b>Steenstrupii</b> <i>Morch.</i> <i>Helicella Steenstrupii</i> <i>Morch.</i> <i>H. nitida</i> <i>Fabr.</i> <i>alliaris</i> <i>Forb.</i>	Greenland.



Page.	Plate.	Fig.	Name.	Locality.
117			<b>Helix capsella</b> Gould. <i>H. rotula</i> Gould. <i>placensula</i> Shuttl.	Tennessee.
117			<b>vortex</b> Pfr. <i>H. selenina</i> Gould in vol. ii.	Georgia and Florida.
118			<b>tenuistriata</b> Binney. <i>H. selenina</i> Gould in vol. iii.	Tennessee.
119			<b>indentata</b> Say.	Whole country.
119			<b>chersina</b> Say. <i>H. fulva</i> teste Mighels, &c.	Whole country.
119			<i>egena</i> Say = <i>chersina</i> teste Binn.	Pennsylvania.
120	lxxvii	17	<b>Fabricii</b> Beck. <i>H. nitida</i> Fabr. <i>Conulus Fabricii</i> Morch. <i>H. Hammonis</i> Ström. ?	Greenland.
121			<b>Gundlachi</b> Pfr. <i>H. pusilla</i> Pfr. <i>egena</i> Gould, non Say.	Florida.
121			<b>interna</b> Say.	Western States, &c.
121			<b>gularis</b> Say. <i>H. bicostata</i> Pfr. <i>Rafinesquea</i> Fer. ?	Tennessee, Alabama, Ohio, and Penn.
122			<b>suppressa</b> Say. <i>H. gularis</i> (var.) Pfr.	Middle States, Ala., and Florida.
122			<b>laemodon</b> Phillips. <i>H. macilenta</i> Shuttl. in vol. iii.	Alabama and Tenn.
122			<b>perspectiva</b> Say. <i>H. patula</i> Desh.	N'rn, W'rn, S'rn, and Middle States, &c.
123			<b>multidentata</b> Binney.	Vt., Ohio, Me., N. Y.
123			<b>lineata</b> Say.	Whole country.
123			<b>arbustorum</b> Linn. (sp.)	
124			<b>Bonplandi</b> Lam. (sp.)	
124			<i>corpuloides</i> Mont. = <b>Delphinoides</b> .	
124			<i>harpa</i> Say = <b>Bulimus</b> .	
124			<i>dealbata</i> Say = <b>Bulimus</b> .	
124			<b>deplota</b> Grat. (sp.)	
124			<i>domestica</i> Ström. = <b>Vitrina Angelicæ</b> ?	
124			<b>hieroglyphica</b> Beck. (sp.)	
124			<b>hispida</b> Linn. (sp.)	Canada ?
124			<i>irrorata</i> Say = <b>lactea</b> Müll.	Pennsylvania ?
125			<b>nemoralis</b> Linn. (sp.)	
125			<i>pellucida</i> Fabr. = <b>Vitrina Angelicæ</b> .	
125			<b>pisana</b> Müll. (sp.)	
125			<b>subcylindrica</b> Pult. = <b>Truncatella</b> .	
125			<b>Trumbulli</b> Linal. = { <b>Margarita arctica</b> ? { <b>Skenea serpuloides</b> teste Gl.	

Page.	Plate.	Fig.	Name.	Locality.
123			<b>Helix virgata</b> Mont. (sp.)	
125	lxxvii	13	<b>Bulimus zebra</b> Müll.	Florida, Louisiana?
	lxxviii	12	<i>Agatina fuscata</i> Raf.	
126			<b>serperastrus</b> Say.	Texas.
			<i>B. nitelinus</i> Rve.	
			<i>lilacinus</i> Rve.	
			<i>Liebmanni</i> Pf.	
			<i>Ziebmanni</i> ♂ Rve.	
			<i>nitelinus</i> ♀ Rve.	
126	lxxx	3, 1?	<b>alternatus</b> Say.	Louisiana, Texas.
			<i>B. lactarius</i> Pfr.	
			<i>dealbatus</i> pars Binney.	
128			<b>Marise</b> Albers.	Texas.
128			<b>Binneyanus</b> Pfr.	Texas.
			<i>B. dealbatus</i> (var.) Binney.	
			<i>Schiedeanus</i> Gould, vol. iii.	
129	lxxx	8, 15	<b>Schiedeanus</b> Pfr.	Texas.
129	lxxx	13	<b>patriaroha</b> W. G. Binney.	Texas.
130	lxxx	6, 7	<b>dealbatus</b> Say.	Southwestern St's.
			<i>Helix dealbata</i> Say.	
			<i>B. confinis</i> Rve.	
			<i>liquabilis</i> Rve.	
132			<b>multilineatus</b> Say.	Florida.
			<i>B. virgulatus</i> Binn. vol. iii, excl., syn. non Fer.	
132	lxxx	10	<b>Dormani</b> W. G. Binney.	St. Augustine.
134	lxxix	3	<b>Floridanus</b> Pfr.	Florida.
134			<b>decollatus</b> Linn.	Charleston, S. C.
			<i>B. mutilatus</i> Say.	
134			<b>subula</b> Pfr.	Florida.
			<i>Achatina subula</i> Pfr.	
			<i>B. hortensis</i> Adams.	
134			<b>gracillimus</b> Pfr.	East Florida.
			<i>Achatina gracillima</i> Pfr.	
135			<b>Gossel</b> Pfr.	Texas.
135			<b>harpa</b> Say.	N. W. Terr., Maine.
			<i>Helix harpa</i> Say.	
136			<b>marginatus</b> Say.	Whole country?
			<i>Cyclostoma marginata</i> Say.	
			<i>Pupa fallax</i> Say.	
			<i>abilabris</i> Adams.	
			<i>Parraiana</i> Orb.	
			<i>placida</i> Say?	
			<i>B. fallax</i> Gould.	
137			<b>acicula</b> Müll.	} Introduced.
137			<b>octona</b> Brug.	

Page.	Plate.	Fig.	Name.	Locality.
137			<i>Bulimus exiguus</i> Binney = <i>Carychium exiguum</i> .	
137			<i>fasciatus</i> Binney = <i>Achatina</i> .	
137			<i>Gossei</i> Pfr. } = <i>Macr. pontificus</i> ?	
137			<i>Kieneri</i> Pfr. }	
137			<i>lubricus</i> Adams = <i>Achatina</i> .	
137			<i>obscurus</i> vid. <i>Pupa placida</i> .	
137			<i>striatus</i> Brug. = <i>Glandina truncata</i> .	
137			<i>vexillum</i> Brug. } = <i>Achatina fasciata</i> .	
137			<i>zebra</i> Orb. }	
137			<i>vermetus</i> Anthony (sp.)	Cincinnati.
137			<b>Mauroceramus pontificus</b> Gld.	E. Florida and Cuba.
			<i>Bulimus Kieneri</i> ?	
			<i>Pupa pontifica</i> Gould.	
138			<b>Achatina fasciata</b> Müll.	Florida.
			<i>Bulimus fuscatus</i> Binney.	
			<i>Buccinum fasciatum</i> Müll.	
			<i>A. solida</i> Say.	
			<i>picta</i> Rve., &c. &c.	
			<i>Agatina variegata</i> Raf.	
138			<b>lubrica</b> Müll.	N. W. Terr., N. Ern and Midd. States.
			<i>Bulimus lubricus</i> Binney.	
			<i>lubricoides</i> St., &c. &c.	
138			<b>virginica</b> Jay (sp.)	
			<i>Bulimus vexillum</i> De Kay.	
138			<i>bullata</i> Pfr.	
139			<i>striata</i> De Kay.	
139			<i>Texasiana</i> Pfr.	
139			<i>truncata</i> Pfr.	
139			<i>Vanuzemensis</i> Pfr. }	= <i>Glandina</i> .
139			<b>flammigera</b> De Kay (sp.)	
139			<i>flammigera</i> Say = <i>Bulimus zebra</i> .	
139			<i>gracillima</i> Pfr. = <i>Bulimus</i> .	
139			<i>pellucida</i> Binney = <i>Blauneria pellucida</i> .	
139			<i>rosea</i> Desh. = <i>Glandina truncata</i> .	
139			<i>subula</i> Pfr. = <i>Bulimus</i> .	
139			<b>Glandina bullata</b> Gould.	Louisiana.
			<i>Achatina bullata</i> Pfr.	
			<i>Oleacina bullata</i> Gr. and Pf.	
139	lxi	1	<b>corneola</b> W. G. Binney.	Texas and Mexico.
			<i>G. truncata</i> (var.) Binney.	
140	lxii	2	<b>parallela</b> W. G. Binney.	Louisiana.
			<i>G. truncata</i> (var.) Binney.	
140	lxxvii	21	<b>Texasiana</b> Pfr.	Texas.
			<i>G. truncata</i> (var.) Binney.	
			<i>Achatina Texasiana</i> Pfr.	

Page.	Plate.	Fig.	Name.	Locality.
141	lxxx	9	<b>Glandina truncata</b> Gmelin. <i>Achatina truncata</i> Pfr., &c. <i>Planorbis glans</i> De Kay. <i>Oleacina truncata</i> Gr. and Pfr. <i>Achatina striata</i> Ch.	Southern States.
141			<b>Vanuxemensis</b> Lea. <i>Achatina Vanuxemensis</i> Pfr. <i>Oleacina Vanuxemensis</i> Gr. and Pfr.	Texas and Mexico.
141	lxxix	17	<b>Pupa incana</b> Binney. <i>P. maritima</i> Gould, non Pfr. <i>detrita</i> Shuttl.	Florida and Cuba.
142			<b>modica</b> Gould.	Florida.
142			<b>armifera</b> Say. <i>P. rupicola</i> Pfr. Symb.	Whole country?
142			<b>badia</b> Adams. <i>P. muscorum teste</i> Pfr.	Crown Point.
143			<b>contracta</b> Say. <i>P. corticaria</i> Pfr. Symb. <i>deltostoma</i> Charp. <i>Vertigo contracta</i> Ad. Gen.	Whole country?
143			<b>decora</b> Gould. <i>Vertigo decorata</i> Ad. Gen.	Lake Superior.
143			<b>pentodon</b> Say. <i>Vertigo pentodon</i> Say. <i>P. curvidens</i> Gould. <i>Tappaniana</i> Ward.	Whole country?
144			<b>placida</b> Say. <i>P. fallax teste</i> De Kay, &c. <i>Bulimus hordeaceus?</i> teste De Kay. <i>obscurus teste</i> Gould, &c.	Massachusetts.
145			<b>rupicola</b> Say. <i>Carychium?</i> <i>rupicola</i> Say. <i>P. procera</i> Gould. <i>carinata</i> Gould. <i>gibbosa</i> Chemn. <i>minuta</i> Pfr. <i>Vertigo rupicola</i> Binney. <i>minuta</i> Ads. Gen.?	Ark., S. C., Md., Fla., and St. Croix.
146			<b>variolosa</b> Gould. <i>Vertigo variolosa</i> Ads. Gen.	East Florida.
146			<b>corticaria</b> Say. <i>Odostomia corticaria</i> Say. <i>Carychium corticaria</i> Fer.	Mid. States & Miss.
147			<b>pellucida</b> Pfr.	Texas and Cuba.

Page.	Plate.	Fig.	Name.	Locality.
147			<b>Pupa Hoppti</b> Möll.	Greenland.
			<i>P. Steenbuchii</i> Beck.	
147			<i>albiabris</i> Adams = <b>Bulimus marginatus.</b>	
147			<i>costulata</i> Mighels = <b>Bulimus harpa.</b>	
147			<i>exigua</i> Say = <b>Carychium.</b>	
147			<i>fallax</i> Say = <b>Bulimus marginatus.</b>	
148			<i>Gouldii</i> Binney } = <b>Vertigo.</b>	
143			<i>miliun</i> Gould } = <b>Vertigo.</b>	
148			<i>modesta</i> Say } = <b>Vertigo ovata.</b>	
148			<i>ovata</i> Gould } = <b>Vertigo ovata.</b>	
148			<i>ovulum</i> Pfr. } = <b>Vertigo ovata.</b>	
148			<i>Parraiana</i> Orb. = <b>Bulimus marginatus.</b>	
148			<i>simplex</i> Gould = <b>Vertigo.</b>	
143			<i>unicarinata</i> Binney = <b>Macr. pontificus.</b>	
143			<b>Vertigo Gouldii</b> Binney.	N. England, Penn'a,
			<i>Pupa Gouldii</i> Binney.	N. Y., and Md.
143			<i>miliun</i> Gould.	New England, Ohio,
			<i>Pupa miliun</i> Gould.	Mississippi.
148			<i>ovata</i> Say.	Whole country?
			<i>Pupa ovata</i> Gould, &c.	
			<i>modesta</i> Say.	
			<i>ovulum</i> Pfr.	
148			<b>simplex</b> Gould.	Mass. and Conn.
			<i>Pupa simplex</i> Gould, &c.	
149			<i>contracta</i> Ads. Gen. } = <b>Pupa.</b>	
149			<i>decora</i> Ads. Gen. } = <b>Pupa.</b>	
149			<i>minuta</i> Ads. Gen. = <b>Pupa rupicola.</b>	
149			<i>pentodon</i> Say } = <b>Pupa.</b>	
149			<i>rupicola</i> Binney. } = <b>Pupa.</b>	
149			<b>Cylindrella variegata</b> Pfr.	Florida?
			<i>C. lactaria</i> Gould.	
149			<b>Poeyana</b> Orb.	Florida.
			<i>Pupa Poeyana</i> Orb.	
			<i>C. lactaria</i> Binney in tab.	
150			<b>jejuna</b> Gould.	Florida.
			<i>C. variegata teste</i> Pfr.	
150			<b>Roemeri</b> Pfr.	New Braunfels, Tex.
151	lxxix	23	<b>Goldfussi</b> Pfr.	Texas.
151			<i>pontifica</i> Gould = <b>Macroceramus.</b>	
152			<i>Aplodon nodosum</i> Raf.	
152			<i>Chimotrema planiuscula</i> Raf.	
152			<i>Hemiloma avara</i> Raf.	
152			<i>Mesodon maculatum</i> Raf.	
152			<i>Mesomphix</i> Raf.	
152			<i>Odotropis</i> Raf.	

Page.	Plate.	Fig.	Name.	Locality.
152			<i>Omphalina cuprea</i> Raf. = <b>Helix fuliginosa?</b>	
152			<i>Stenostoma</i> Raf.	
152			<i>Stenotrema convexa</i> Raf.	
152			<i>Toxostoma globularis</i> Raf.	
152			<i>Toxotrema complanata</i> Raf.	
152			<i>Triodopsis lunula</i> Raf.	
152			<i>Trophodon</i> Raf.	
152			<i>Xolotrema lunula</i> Raf.	
152			<i>triodopsis</i> Raf.	
152			<i>Partula Otaheitana</i> Fer. (e. l.)	

**Family Auriculacea.**

156	lxxv	23	<b>Melampus bidentatus</b> Say. <i>M. biplicatus</i> Pfr. <i>corneus</i> Stimp. <i>Jaumei</i> Pfr. <i>lineatus</i> Beck. <i>Auricula cornea</i> Desh. <i>bidentata</i> Gould. <i>Jaumei</i> Mittré. <i>biplicata</i> Desh. <i>Conovulus biplicatus</i> Beck.	Whole coast.
161	lxxv	12, 13	<b>cingulatus</b> Pfr. <i>Auricula oliva</i> Orb. <i>stenostoma</i> Küst. &c. &c.	Florida and W. I.
162	lxxv	21, 25	<b>coffea</b> Linn. (Synonyms all foreign.)	Fla., Mex., & W. I.
165	lxxv	30	<b>Floridanus</b> Pfr. (Synonyms all foreign.)	Florida.
166			<b>flavus</b> Gmelin (cut). (Synonyms all foreign.)	Florida.
167			<b>obliquus</b> Say. <i>Auricula obliqua</i> De Kay.	South Carolina.
168	lxxv	29	<b>pusillus</b> Gmelin. (Synonyms all foreign.)	Florida.
170			<b>Redfieldi</b> Pfr.	Florida?
171			<i>borealis</i> Conrad	} = <b>Alexia myosotis.</b>
171			<i>denticulatus</i> Stimp.	
171			<i>Auricula bidentata</i>	} = <b>Melampus.</b>
171			<i>biplicata</i>	
171			<i>cingulata</i>	
171			<i>coniformis</i>	
171			<i>cornea</i>	
172			<i>denticulata</i>	

Page.	Plate.	Fig.	Name.	Locality.
172			<i>Auricula Floridana</i> = <b>Melampus.</b>	
172			<i>Jaumei</i> = <b>Melampus bidentatus.</b>	
172			<i>nitens</i> = <b>pusillus.</b>	
172			<i>obliqua</i> = <b>obliquus.</b>	
172			<i>oliva</i> = <b>cingulatus.</b>	
172			<i>pusilla</i> = <b>pusillus.</b>	
172			<i>Sayii</i> = <b>Leuconia.</b>	
172			<i>stenostoma</i> = <b>Melampus cingulatus.</b>	
172	lxxv	33	<b>Alexia myosotis</b> Drap.	Mass., N. Y., R. I.
	lxxix	16	<i>Auricula denticulata</i> Gould. <i>Melampus denticulatus</i> Stimp. <i>borealis</i> Conrad. <i>turritus</i> Say ined.	
175			<b>Blauneria pellucida</b> Pfr. <i>Achatina pellucida</i> Binney. (Other synonyms foreign.)	Florida, S. Carolina.
177	lxxv	34	<b>Leuconia (?) Sayii</b> Küster. <i>Auricula Sayii</i> Küst.	
178			<b>Carychium exiguum</b> Say. <i>Pupa exigua</i> Say. <i>Bulimus exiguus</i> Binney. <i>C. exile</i> H. C. Lea. <i>existelium</i> Bourg. <i>euphazum</i> Bourg.	Whole country?
183			<i>armigerum</i> } = Pupa.	
183			<i>contractum</i> }	
183			<i>rupicolum</i> }	
183			<i>corticarium</i> }	

Family **Aciculacea.**

185	lxxv	2, 4	<b>Truncatella Caribæensis</b> Sowb. (Synonyms all foreign.)	Fla., Mexico, Ala.
186	lxxv	5, 6, 8	<b>subcylindrica</b> Gray.	Florida.
188	lxxv	3, 7	<b>bilabiata</b> Pfr.	Florida.
189	lxxv	1, 9, 10	<b>pulchella</b> Pfr.	Florida.

Family **Cyclostomacea.**

191	lxxv	24	<b>Chondropoma dentatum</b> Say. <i>Cyclostoma dentatum</i> Say.	Florida.
191			<i>Cyclostoma Cincinnatiensis</i> Lea } = <b>Amnicola.</b>	
191			<i>lapidaria</i> Say }	
191			<i>marginalis</i> Kirt. } = <b>Bul. marginatus.</b>	
191			<i>marginata</i> Say }	
191			<i>tricarinata</i> Say = <b>Valvata.</b>	

Family **Helicinacea.**

Page.	Plate.	Fig.	Name.	Locality.
192			<b>Helicina chrysochella</b> Binney.	Tampico, Texas.
192	lxxv	14, 16	<b>Hanleyana</b> Pfr.	New Orleans.
193			<b>occulta</b> Say (fossil?) <i>H. rubella</i> Green?	Western States.
193			<b>orbiculata</b> Say. <i>Olygyra orbiculata</i> Say. <i>H. vestita</i> GUILD? <i>castanea</i> Sowerby?	Georgia, Tenn., Ala., Texas, &c.
194			<b>tropica</b> Ian. (pl. lxxiii part.) <i>H. Ambeliana</i> Sowerby.	Texas.
195	lxxv	17	<b>subglobulosa</b> Pœy.	Key Biscayne.
196			<i>fastigiata</i> De Kay } = <b>Helix.</b>	
196			<i>plicata</i> De Kay }	

**Tufts.**—Catalogue of Shells deposited in the State Cabinet: by SAMUEL TUFTS, Jr. (From Catalogue of Massachusetts State Cabinet—Appendix. Boston, 1859.)

Pa.	No.		Pa.	No.	
85	26	<b>Teredo navalis.</b>	85	57	<b>Mesodesma arcotata.</b>
85	27	<b>Pholas costata.</b>	85	58	<b>Jauresii.</b>
85	11	<b>crispata.</b>	85	59	<b>Montacuta bidentata.</b>
85	28	<b>Solen ensis.</b>	85	60	<b>Kellia rubra.</b>
85	30	<b>Solecortus caribbæus.</b>	85	61	<b>Saxicava distorta.</b>
85	33	<b>Machæra nitida.</b>	85	25	<i>rugosa</i> Stimpson.
85	34	<b>costata.</b>	85	63	<b>Petricola pholadiformis.</b>
85	35	<b>Solemya velum.</b>			
85	36	<b>borealis.</b>	85	66	<b>Sanguinolaria fusca.</b>
85	39	<b>Glycymeris siliqua.</b>	85	67	<b>sordida.</b>
85	40	<b>Mya arenaria.</b>	85	67	<b>Tellina tenta.</b>
85	42	<b>truncata.</b>	85	68	<b>tenera.</b>
85	43	<b>Corbula contracta.</b>	85	69	<b>Lucina radula.</b>
85	44	<b>Pandora trilineata.</b>	85	71	<b>flexuosa.</b>
85	46	<b>Lyonsia hyalina.</b>	86	72	<b>Cyclas partumeia.</b>
85	47	<b>Anatina papyracea.</b>	86	74	<b>elegans.</b>
85	49	<b>Cochlodesma Leana.</b>	86	75	<b>Pisidium dubium.</b>
85	50	<b>Thracia Conradi.</b>	86	76	<b>Astarte castanea.</b>
85	23	<b>Couthouyi.</b>	86	78	<b>sulcata.</b>
85	22	<b>truncata.</b>	86	80	<b>lactea.</b>
85	51	<b>Macra solidissima.</b>	86	81	<b>quadrans.</b>
85	53	<b>ovalis.</b>	86	82	<b>Cyprina Islandica.</b>
85	54	<b>lateralis.</b>	86	84	<b>Cytherea convexa.</b>



Pa.	No.		Pa.	No.	
86	85	<b>Venus mercenaria.</b>	86	146	<b>Chiton apiculatus.</b>
86	86	notata.	86	148	fulminatus.
86	88	gemma.	86	149	ruber.
86	89	<b>Cardium Islandicum.</b>	86	150	albus.
86	90	pinnulatum.	86	151	Emersonianus.
86	91	Mortoni.	87	153	<b>Lottia testudinalis.</b>
86	92	Grœnlandicum.	87	154	alveus.
86	94	<b>Cardita borealis.</b>	87	155	<b>Dentalium dentale.</b>
86	95	<b>Arca pexata.</b>	87	156	<b>Cemoria Noachina.</b>
86	96	transversa.	87	158	<b>Crepidula fornicata.</b>
86	97	<b>Nucula thraciceformis.</b>	87	159	plana.
86	98	limatula.	87	160	convexa.
86	99	myalis.	87	162	<b>Bulla insculpta.</b>
86	100	sapotilla.	87	163	hiemalis.
86	101	minuta.	87	163	Gouldii.
86	102	Jacksonii.	87	164	debilis.
86	103	proxima.	87	165	triticea.
86	105	tennis.	87	166	canaliculata.
86	107	<b>Unio complanatus.</b>	87	167	obstricta.
86	109	nasutus.	87	168	oryza.
86	110	radiatus.	87	169	lineolata.
86	111	cariosus.	87	170	<b>Helix albolabris.</b>
86	112	ochraceus.	87	171	thyroidus.
86	113	<b>Alasmodon arcuata.</b>	87	172	hortensis.
86	115	undulata.	87	173	tridentata.
86	116	marginata.	87	174	monodon.
86	117	<b>Anodon fluviatilis.</b>	87	175	hirsuta.
86	118	implicata.	87	176	pulchella.
86	120	undulata.	87	177	alternata.
86	121	<b>Mytilus edulis.</b>	87	178	striatella.
86	123	<b>Modiola modiolus.</b>	87	179	lineata.
86	125	plicatula.	87	180	cellaria.
86	127	pectinula.	87	181	indentata.
86	128	nexa.	87	182	arborea.
86	129	discrepans.	87	184	labyrinthica.
86	130	discors.	87	185	chersina.
86	131	glandula.	87		Pupa ———?
86	132	<b>Pecten Magellanicus.</b>	87		—————?
86	133	Islandicus.	87	193	<b>Bulimus lubricus.</b>
86	134	concentricus.	87	194	<b>Succinea ovalis.</b>
86	137	<b>Ostrea borealis.</b>	87	195	obliqua.
86	138	<b>Anomia ephippium.</b>	87	196	avara.
86	141	<b>Terebratula caput ser-</b>	87	197	<b>Auricula bidentata.</b>
		<b>pentia.</b>	87	199	denticulata.
86	142	psittacea.	87	201	<b>Planorbis trivolvis.</b>

Pa. No.		Pa. No.	
87 202	<b>Planorbis lentus.</b>	88 261	<b>Lacuna vineta.</b>
87 203	<b>bicarinatus.</b>	88 263	<b>var. fusca.</b>
87 204	<b>campanulatus.</b>	88 263	<b>neritoidea.</b>
87 205	<b>armigerus.</b>	88 265	<b>Cingula minuta.</b>
87 206	<b>hirsutus.</b>	88 266	<b>aculeus.</b>
87 209	<b>parvus.</b>	88 267	<b>Turritella erosa.</b>
87 211	<b>Physa heterostropha.</b>	88 35	<b>acicula Stimpson.</b>
87 213	<b>ancillaria.</b>	88 269	<b>Pyramis striatula.</b>
87 214	<b>elongata.</b>	88 272	<b>Odostomia exigua.</b>
87 215	<b>Limnea columella.</b>	88 275	<b>Cerithium Emersonii.</b>
87 217	<b>macrostoma.</b>	88 278	<b>Sayii.</b>
87 218	<b>modicellus.</b>	88 279	<b>Greenii.</b>
87 219	<b>decidiosa.</b>	88	<b>Pleurotoma cerinum</b>
87 221	<b>elodes.</b>	88 280	<b>decussata. [Stimp.]</b>
87 224	<b>Ancylus fuscus.</b>	88 283	<b>Cancellaria Couthouyi.</b>
87 224	<b>rivularis.</b>	88 284	<b>Fusus Islandicus.</b>
87 225	<b>Valvata tricarinata.</b>	88 285	<b>ventricosus.</b>
87 226	<b>pupoidea.</b>	88 287	<b>decemcostatus.</b>
87 227	<b>Paludina decisa.</b>	88 288	<b>scalariformis.</b>
87 229	<b>Ammicola porata.</b>	88 289	<b>Bamffius.</b>
87 231	<b>Natica heros.</b>	88 290	<b>rufus.</b>
87 233	<b>triseriata.</b>	88 291	<b>harpularius.</b>
87 234	<b>immaculata.</b>	88 292	<b>turricula.</b>
87 235	<b>canaliculata.</b>	88 293	<b>muricatus.</b>
87 236	<b>duplicata.</b>	88 294	<b>Pyrula canaliculata.</b>
87 237	<b>pusilla.</b>	88 296	<b>carica.</b>
87 238	<b>clausa.</b>	88 297	<b>Ranella caudata.</b>
87 239	<b>flava.</b>	88 298	<b>Rostellaria occiden-</b>
87 240	<b>Janthina fragilis.</b>		<b>talis.</b>
88 241	<b>Velutina lævigata.</b>	88 300	<b>Trichotropis borealis.</b>
88 242	<b>zonata.</b>	88 301	<b>Purpura lapillus.</b>
88 244	<b>Sigaretus haliotoideus.</b>	88 303	<b>Buccinum plicosum.</b>
88 246	<b>Vermetus lumbricalis.</b>	88 304	<b>Donovani.</b>
88 249	<b>Scalaria Grœnlandica.</b>	88 805	<b>undatum.</b>
88 252	<b>Margarita cinerea.</b>	88 307	<b>ciliatum.</b>
88 253	<b>obscura.</b>	88 308	<b>obsoletum.</b>
88 254	<b>undulata.</b>	88 309	<b>trivittatum.</b>
88 255	<b>arctica.</b>	88 310	<b>vibex.</b>
88 256	<b>argentata.</b>	88 311	<b>rosaceum.</b>
88 257	<b>Littorina rudis.</b>	88 312	<b>lunatum.</b>
88 259	<b>tenebrosa.</b>	88 313	<b>Columbella avara.</b>
88 260	<b>palliata.</b>		

**Carpenter.**—Report on the Present State of our Knowledge with regard to the Mollusca of the West Coast of North America: by PHILIP P. CARPENTER. (From the Report of the British Association for the Advancement of Science for 1856. London, 1857.)

[To this admirable Report I refer for the full synonymy, references, and dates of the species of the following list, which embodies the selected names only of the species of the "Northern Fauna" and "Gulf of California," omitting those of Central America, Panama, and Gallapagos. As stated in the preface, I have not given the same attention to the synonymy of the west coast species, the labor having been so thoroughly done by Mr. CARPENTER. The names of species about which any doubt exists are included in parentheses. I omit the Bryozoa.—W. G. B.]

## I. ARCTIC FAUNA.

### CLASS PALLIOBRANCHIATA.

Page.	Page.
298	<i>Rhynchonella psittacea.</i>

### CLASS LAMELLIBRANCHIATA.

299	<i>Saxicava pholadis.</i>	305	<i>Venus (Astartoides).</i>
299	<i>Petricola gibba.</i>	306	<i>Astarte (corrugata).</i>
299	<i>cylindracea.</i>	307	<i>Cardium Californiense.</i>
299	<i>Saxidomus gigantea.</i>	307	<i>Nuttalli.</i>
299	<i>Petiti.</i>	309	<i>Mytilus edulis.</i>
300	<i>Mya arenaria.</i>	309	<i>Modiola cultellus.</i>
300	<i>Lutraria maxima.</i>	309	<i>modiolus.</i>
301	<i>Machæra costata.</i>	310	<i>Pectunculus septentrio-</i>
301	<i>Tellina solidula.</i>		<i>nalis.</i>
301	<i>(lata).</i>	310	<i>Nucula castrensis.</i>
301	<i>(lutea).</i>	311	<i>Pecten rubidus.</i>
301	<i>edentula.</i>	312	<i>Placunanomia patellifor-</i>
302	<i>nasuta.</i>		<i>mis.</i>
304	<i>Mactra (ovalis).</i>	312	<i>(macrochisma).</i>

### CLASS GASTEROPODA.

313	<i>Dendronotus arborescens.</i>	317	<i>Tonicia Brandtii.</i>
313	<i>Bolis pinnata.</i>	317	<i>Sitohensis.</i>
313	<i>Flabellina crassicornis.</i>	317	<i>Eschscholtzii.</i>
313	<i>subrosacea.</i>	317	<i>Merokii.</i>
317	<i>Dentalium politum.</i>	317	<i>inaignis.</i>
317	<i>Lepidochiton lividus.</i>	317	<i>lineata.</i>

Page.		Page.	
318	<i>Katherina submarmorea.</i>	327	<i>Lacuna glacialis.</i>
318	<i>tunicata.</i>	328	<i>Trichotropis (bicarinata).</i>
318	<i>Cryptochiton Stelleri.</i>	328	<i>cancellata.</i>
318	[Gen. indet.] <i>Wosnessenskii.</i>	328	<i>insignis.</i>
318	<i>Nacella Asmi.</i>	328	<i>inermis.</i>
319	<i>Acomæa personoides.</i>	329	<i>Admete viridula.</i>
319	<i>pileolus.</i>	329	<i>arctica.</i>
319	<i>digitalis.</i>	336	<i>Scalaria Grœnlandica.</i>
319	<i>cassis.</i>	336	<i>Natica clausa.</i>
319	<i>pelta.</i>	336	<i>Lunatia flava.</i>
319	<i>patina.</i>	337	<i>Velutina coriacea.</i>
319	<i>persona.</i>	337	<i>spongiosa.</i>
319	<i>Scurria mitra.</i>	337	<i>Sitchensis.</i>
319	<i>Fissurella (violacea).</i>	338	( <i>Argobuccinum</i> ) <i>cancellata-</i>
320	<i>Glyphis aspera.</i>	338	<i>scabrum.</i> [tum.
320	<i>Haliotis aquatilis.</i>	340	<i>Purpura Freycinetii.</i>
320	<i>Kamtschatkiana.</i>	340	( <i>decemcostata</i> ).
320	<i>Callopoma (Fokkesii).</i>	340	<i>lapillus.</i>
321	<i>Osilinus ater.</i>	340	<i>septentrionalis.</i>
321	<i>Omphalius modestus.</i>	342	<i>Buccinum tenebrosum.</i>
321	<i>mœstus.</i>	342	( <i>ovum</i> ).
321	<i>euryomphalus.</i>	342	<i>Bulla ampullacea.</i>
321	<i>Margarita arctica.</i>	343	<i>Chrysodomus Sabinii.</i>
321	<i>striata.</i>	343	( <i>antiquus</i> ).
321	<i>sulcata.</i>	343	( <i>deformis</i> ).
321	<i>callostoma.</i>	343	( <i>Islandicus</i> ).
323	<i>Crepidula (grandis).</i>	343	( <i>Behringii</i> ).
323	<i>Sitchana.</i>	343	( <i>Baeri</i> ).
323	<i>minuta.</i>	343	<i>Sitchensis.</i>
325	<i>Turritella Eschrichtii.</i>	343	<i>luridus.</i>
326	<i>Littorina Kurila.</i>	343	<i>Trophon clathratum.</i>
326	<i>Sitchana.</i>	345	( <i>Cerastoma</i> ) <i>monodon.</i>
326	<i>modesta.</i>	345	( <i>Muricidea</i> ) <i>lactuca.</i>
326	[ <i>aspera</i> ].		

## CLASS CEPHALOPODA.

345	<i>Ootopus</i> ———.		345	<i>Onychoteuthis (Bergii).</i>
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## II. OREGON FAUNA.

## CLASS PALLIOBRANCHIATA.

298	<i>Terebratula pulvinata.</i>		298	<i>Terebratula canrena.</i>
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## CLASS LAMELLIBRANCHIATA.

Page.		Page.	
299	<i>Petricola cylindracea.</i>	308	<i>Cyclas patella.</i>
299	<i>Saxidomus Nuttalli.</i>	308	<i>egregia.</i>
300	<i>Mya præcisæ.</i>	309	<i>Unio famelicus.</i>
300	<i>Panopæa generosa.</i>	309	<i>Alasmodon falcata.</i>
300	<i>Lyonsia bracteata.</i>	309	<i>Anodon feminalis.</i>
301	( <i>picta</i> )	309	<i>Oregonensis.</i>
301	<i>Solen sicarius.</i>	309	<i>Wahlamatensis.</i>
301	<i>maximus.</i>	309	<i>cognata.</i>
301	<i>Machæra Nuttalli.</i>	309	<i>Nuttalliana.</i>
301	<i>Sanguinolaria Californiana.</i>	309	<i>Mytilus edulis.</i>
301	<i>Tellina edentula.</i>	309	( <i>Californianus</i> ).
302	<i>nasuta.</i>	309	<i>Modiola modiolus.</i>
302	( <i>inquinata</i> ).	309	<i>elongata.</i>
302	<i>Californica.</i>	309	<i>flabellata.</i>
302	<i>Bodegensis.</i>	309	<i>Crenella discrepans.</i>
302	<i>secta.</i>	310	<i>Pectunculus septentriona-</i>
304	<i>Mactra falcata.</i>	311	<i>Pecten Fabricii.</i> [lis.
305	<i>Venus calcarea.</i>	311	<i>caurinus.</i>
305	<i>ampliata.</i>	311	<i>hericeus.</i>
305	—.	311	<i>Townsendi.</i>
305	<i>rigida.</i>	312	<i>Ostrea ? conchaphila.</i>
306	<i>Cardia ventricosa.</i>	312	<i>Placunanomia cepio.</i>
307	<i>Cardium Nuttalli.</i>	312	<i>alope.</i>
307	<i>blandum.</i>	312	<i>Anomia lampe.</i>

## CLASS GASTEROPODA.

313	<i>Doris</i> —.	314	<i>Helix Kelletti.</i>
313	<i>Goniodoris</i> —.	314	<i>tudiculata.</i>
313	<i>Dendronotus</i> —.	314	<i>Columbiana.</i>
313	<i>Æolis</i> —.	314	<i>Townsendiana.</i>
313	<i>Chloræra leonina.</i>	314	<i>Californiensis.</i>
313	<i>Haminea</i>	314	<i>areolata.</i>
313	<i>Limax Columbianus.</i>	315	<i>Succinea rusticans.</i>
313	<i>Arion foliolatus.</i>	315	<i>Oregonensis.</i>
314	<i>Helix Oregonensis.</i>	316	<i>Limnæa lepida.</i>
314	<i>labiosa.</i>	316	<i>apicina.</i>
314	<i>loricata.</i>	316	<i>Nuttalliana.</i>
314	<i>Baskervillei.</i>	316	<i>ferruginea.</i>
314	<i>fidelis.</i>	316	<i>umbrosa.</i>
314	<i>strigosa.</i>	316	<i>Physa bullata.</i>
314	<i>sportella.</i>	316	—.
314	<i>Vancouverensis.</i>	316	<i>Planorbis vermicularis.</i>
314	<i>germana.</i>	316	<i>corpulentus.</i>
314	<i>Pandoræ.</i>	316	<i>subcrenatus.</i>

Page.	Page.
316 <i>Planorbis opercularis</i> .	325 <i>Melania plicifera</i> .
317 <i>Dentalium</i> ———.	325 <i>bulbosa</i> .
317 <i>Callochiton interstinctus</i> .	325 <i>plicata</i> .
317 <i>Chiton muscosus</i> .	326 <i>Litorina lepida</i> .
318 <i>Mopalia vespertina</i> .	326 <i>scutellata</i> .
318 <i>Katherina Douglasis</i> .	327 <i>Lacuna carinata</i> .
318 <i>Cryptochiton Stelleri</i> .	328 <i>Trichotropis borealis</i> .
318 [Gen. indet.] <i>lignosus</i> .	331 <i>Bela fidicula</i> .
318 <i>dentiens</i> .	335 <i>Cerithiopsis filosa</i> .
318 <i>Nacella instabilis</i> .	336 <i>Soalaria australis</i> .
319 <i>Acmæa pelta</i> .	336 ———.
319 <i>persona</i> .	336 <i>Lunatia caurina</i> .
319 <i>textilina</i> .	336 <i>impervia</i> .
319 <i>imbriata</i> .	336 <i>Lewesii</i> .
319 <i>cribraria</i> .	336 <i>algida</i> .
319 <i>spectrum</i> .	337 <i>Polinices perspicua</i> .
319 <i>Scurria mitra</i> .	337 <i>Triton (tigrinus)</i> .
320 <i>Glyphis cratitia</i> .	338 ( <i>Argobuccinum</i> ) <i>Oregon-</i>
320 <i>Puncturella cucullata</i> .	339 <i>Olivella</i> ———. [ense.]
320 <i>galeata</i> .	340 <i>Purpura lapillus</i> .
320 <i>Haliotis</i> ———.	340 <i>septentrionalis</i> .
320 <i>Trochus annulatus</i> .	340 <i>ostrina</i> .
320 ( <i>Zisiphinus</i> ) <i>filosus</i> .	340 <i>lagena</i> .
321 ( <i>lima</i> ).	341 <i>Columbella gausapata</i> .
321 <i>Trochiscus Norrisii</i> .	342 <i>Buccinum corrugatum</i> .
321 <i>Livonia (pica)</i> .	342 <i>Nassa mendica</i> .
323 <i>Galerus fastigiatus</i> .	342 <i>fossata</i> .
323 <i>Crepidula ? nummaria</i> .	343 <i>Trophon Orpheus</i> .
323 <i>rostriformis</i> .	343 <i>corrugatum</i> .
323 <i>? lingulata</i> .	343 <i>cancellinum</i> .
325 <i>Melania silicula</i> .	345 ( <i>Cerastoma</i> ) <i>foliatum</i> .

## III. UPPER CALIFORNIA FAUNA.

## CLASS PALLIOBRANCHIATA.

298 <i>Discina Evansii</i> .	298 <i>Waldheimia (Californica)</i> .
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## CLASS LAMELLIBRANCHIATA.

299 <i>Pholadidea penita</i> .	299 <i>Saxidomus Nuttalli</i> .
299 <i>Parapholas Californica</i> .	300 <i>Lutraria maxima</i> .
299 <i>Saxicava pholadis</i> .	300 <i>Platydon cancellata</i> .
299 <i>Petricola cylindracea</i> .	300 <i>Cryptodon Nuttalli</i> .
299 <i>Californica</i> .	300 <i>Sphænia Californica</i> .
299 <i>Rupellaria lamellifera</i> .	300 <i>Corbula polychroma</i> .
299 <i>Saxidomus Pettii</i> .	300 ( <i>bicarinata</i> ).

Page.		Page.	
300	<b>Corbula (nasuta).</b>	307	<b>Chama exogyra.</b>
300	<b>Thracia curta.</b>	307	<b>pellucida.</b>
300	<b>Lyonsia Californica.</b>	307	fr. <b>Mexicana.</b>
301	<b>Mytilimeria Nuttalli.</b>	307	<b>Cardium Californiense.</b>
301	<b>Pandora punctata.</b>	307	<b>Nuttalli.</b>
301	<b>Machæra Nuttalli.</b>	307	<b>quadragenarium.</b>
301	<b>lucida.</b>	307	( <b>Laperoussii</b> ).
301	<b>Solecurtus subteres.</b>	308	<b>Diplodonta orbella.</b>
301	<b>Californianus.</b>	308	<b>Kellia Laperousii.</b>
301	<b>Sanguinolaria grandis.</b>	309	<b>Alasmodon falcata.</b>
301	<b>rubroradiata.</b>	309	<b>Anodon cognata.</b>
302	<b>Tellina Bodegensis.</b>	309	<b>Nuttalliana.</b>
302	<b>secta.</b>	309	<b>angulata.</b>
302	<b>alta.</b>	309	<b>Mytilus edulis.</b>
303	? <b>Scrobicularia biangularis.</b>	309	<b>Californianus.</b>
304	<b>Cumingia Californica.</b>	309	<b>bifurcatus.</b>
304	<b>Donax flexuosus.</b>	309	<b>glomeratus.</b>
304	<b>Californicus.</b>	309	<b>Modiola recta.</b>
304	<b>rostratus.</b>	309	<b>nitens.</b>
304	<b>gracilis.</b>	309	<b>capax.</b>
304	<b>Mactra Californica.</b>	309	<b>Lithophagus Gruneri.</b>
304	<b>planulata.</b>	310	<b>Byssosarca (gradata).</b>
305	<b>Trigona tantilla.</b>	310	<b>Pectunculus (inæqualis).</b>
305	<b>crassatelloides.</b>	311	<b>Nucula cælata.</b>
305	<b>Dosinia callosa.</b>	311	<b>Leda (polita)</b>
305	<b>Venus rigida.</b>	311	<b>Isognomon costellatum.</b>
305	<b>Nuttalli.</b>	311	<b>Pecten latiauritus.</b>
306	? <b>Tapes diversa.</b>	312	<b>Ostrea</b>
306	<b>tumida.</b>	312	<b>conchaphila.</b>
306	<b>straminea.</b>	312	<b>Placunanomia macroschis-</b>
306	<b>Trapezium Californicum.</b>	312	<b>Anomia lampe.</b> [ma.

CLASS **GASTEROPODA.**

313	<b>Bulla nebulosa.</b>	314	<b>Helix infumata.</b>
313	<b>Tornatina culcitella.</b>	314	<b>levis.</b>
313	<b>cerealis.</b>	314	<b>vecillata.</b>
314	<b>Helix tudiculata.</b>	314	<b>Sagralana.</b>
314	<b>Columbiana.</b>	314	<b>æruginosa.</b>
314	<b>Townsendiana.</b>	315	<b>Succinea ———.</b>
314	<b>Californiensis.</b>	316	<b>Limnæa umbrosa.</b>
314	<b>areolata.</b>	316	<b>Physa humerosa.</b>
314	<b>vinota.</b>	316	<b>virginæa.</b>
314	<b>loricata.</b>	316	<b>virgata.</b>
314	<b>Niokliniana.</b>	316	<b>Planorbis opercularis.</b>
314	<b>Dupetitthouarsii.</b>	316	<b>ammon.</b>

Page.	Page.
316 <b>Planorbis gracilentus.</b>	321 <b>Omphalius Pfeifferi.</b>
317 <b>Lophyrus (Stokesii).</b>	321 fuscescens.
317 <b>Lepidochiton Mertensii.</b>	321 marginatus.
317 scrobiculatus.	321 maculosus.
317 <b>Tonicia lineata.</b>	321 aureotinctus.
317 <b>Chiton scaber.</b>	323 <b>Crucibulum spinosum.</b>
318 <b>Mopalia Simpsonii.</b>	323 <b>Galerus (mammillaris).</b>
318 <b>Cryptochiton Stelleri.</b>	323 <b>Crepidula ———.</b>
318 [Gen. indet.] <b>Wosnessenskii.</b>	323 explanata.
318 Nuttalli.	323 solida.
318 Californicus.	323 aculeata.
318 acutus.	323 incurva.
318 consimilis.	323 rugosa.
318 <b>Montereyensis.</b>	324 <b>Aletes squamigerus.</b>
318 <b>Hartwegii.</b>	324 <b>Spiroglyphus</b>
318 regularis.	325 <b>Bittium</b>
319 <b>Acmæa pelta.</b>	325 <b>Cerithidea sacrata.</b>
319 patina.	325 <b>Melania Wahlamatensis.</b>
319 cribraria.	325 occata.
319 spectrum.	325 <b>Amnicola protea.</b>
319 toreuma.	325 longinqua.
319 grandis.	326 <b>Bithinia seminalis.</b>
319 scabra.	326 nuclea.
319 æruginosa.	326 <b>Litorina modesta.</b>
319 <b>Scurria mitra.</b>	326 planaxis.
319 <b>Fissurella (violacea).</b>	326 plena.
319 ornata.	326 (aspera).
319 volcano.	327 <b>Lacuna unifasciata.</b>
320 <b>Glyphis densiclathrata.</b>	328 <b>Radius variabilis.</b>
320 Lincolnii.	328 <b>Luponia spadicea.</b>
320 <b>Lucapina crenulata.</b>	328 <b>Trivia Californica.</b>
320 <b>Haliotis rufescens.</b>	328 <b>Erato lucophæa.</b>
320 corrugata.	328 columbella.
320 splendens.	332 <b>Clathurella (bella).</b>
320 Californiensis.	332 <b>Conus ravus.</b>
320 <b>Cracherodii.</b>	332 comptus).
320 <b>Phasianella compta.</b>	333 <b>Odostomia gravida.</b>
320 <b>Callopoma Fokkesii.</b>	334 <b>Chemnitzia tenuicula.</b>
320 <b>Pomaulax undosus.</b>	334 torquata.
320 <b>Trochus annulatus.</b>	336 <b>Natica ? maroccana.</b>
320 ( <b>Ziziphinus filosus.</b>	336 var. <b>Californica.</b>
320 Antonii.	336 <b>Lunatia herculæa.</b>
321 <b>Osilinus ater.</b>	337 <b>Neverita Recluziana.</b>
321 <b>Omphalius mœstus.</b>	338 ( <b>Argobuccinum) scabrum.</b>
321 euryomphalus.	338 <b>Mitra maura.</b>



Page.		Page.	
339	<b>Marginella Jewettii.</b>	341	<b>Monoceros (brevidenta-</b>
339	( <i>imbricata</i> ).	341	<b>Nitidella Gouldii. [tum).</b>
339	<b>Olivella rufofasciata.</b>	341	<b>Columbella Santa Barba-</b>
339	<i>biplicata.</i>	341	<i>carinata. [rensis.</i>
340	<b>Purpura macrostoma.</b>	342	<b>Truncaria (modesta).</b>
340	<i>harpa.</i>	342	<b>Buccinum Poulsoni.</b>
340	<i>emarginata.</i>	342	<b>Nassa fossata.</b>
340	<b>Monoceros engonatum.</b>	342	<i>perpinguis.</i>
340	<i>brevidens.</i>	345	<b>(Cerastoma) Nuttalli.</b>
340	<i>lapilloides.</i>		

## IV. LOWER CALIFORNIA FAUNA.

CLASS **PALLIOBRANCHIATA.**298 **Lingula albida.**CLASS **LAMELLIBRANCHIATA.**

299	<b>Pholadidea penita.</b>	305	<b>Venus Nuttalli.</b>
299	<i>ovoidea.</i>	305	<i>excavata.</i>
299	<b>Parapholas Californica.</b>	305	<i>simillima.</i>
299	<b>Saxicava pholadis.</b>	305	<i>fructifrago.</i>
299	<b>Petricola Californica.</b>	305	<i>dispar.</i>
299	<b>Rupellaria lamellifera.</b>	305	<b>Californiensis.</b>
299	<b>Saxidomus Nuttalli.</b>	306	? <b>Tapes straminea.</b>
300	<b>Platyodon cancellata.</b>	306	<i>gracilis.</i>
300	<b>Sphaenia Californica.</b>	306	<b>Trapezium Californicum.</b>
300	<b>Lyonsia (nitida).</b>	307	<b>Chama exogyra.</b>
301	<b>Periploma argentaria.</b>	307	<i>pellucida.</i>
301	<b>Solecortus subteres.</b>	307	<b>Cardium Californiense.</b>
301	<i>Californianus.</i>	307	<b>Nuttalli.</b>
301	<b>Sanguinolaria Nuttalli.</b>	307	<i>substriatum.</i>
301	<i>miniata.</i>	307	<i>luteolabrum.</i>
301	<b>Psammobia Pacifica.</b>	307	<i>cruentatum.</i>
302	<b>Tellina nasuta.</b>	307	<i>elatum.</i>
302	<i>secta.</i>	307	<b>Lucina bella.</b>
302	<i>vicina.</i>	307	<b>Californica.</b>
302	<i>pura.</i>	307	<b>Nuttalli.</b>
303	<b>Strigilla carnaria.</b>	307	<i>punctata.</i>
303	<b>Semele rubrolineata.</b>	308	<b>Diplodonta orbella.</b>
303	<i>declsa.</i>	309	<b>Mytilus Californianus.</b>
303	<i>flavescens.</i>	309	<b>Modiola capax.</b>
304	<b>Cumingia Californica.</b>	309	<b>Lithophagus attenuatus.</b>
304	<b>Donax (obesus).</b>	310	<b>Byssosarca pernoides.</b>
304	<b>Maotra nasuta.</b>	311	<b>Pecten latiauritus.</b>
305	<b>Trigona crassatelloides.</b>	311	<i>floridus.</i>

Page.		Page.	
311	<b>Pecten purpuratus.</b>	312	<b>Ostrea conchaphila.</b>
312	<b>Hinnites giganteus.</b>	312	<b>palmula.</b>
<b>CLASS GASTEROPODA.</b>			
313	<b>Bulla nebulosa.</b>	324	<b>Petalococonchus macro-</b>
313	<b>virescens.</b>		<b>phragma.</b>
313	<b>longinqua.</b>	325	<b>Cerithium stercusmusca-</b>
313	<b>Haminea vesicula.</b>	325	<b>Cerithidea sacrata. [rum.</b>
313	<b>Tornatina inculta.</b>	325	<b>pullata.</b>
314	<b>Helix Kelletti.</b>	325	<b>albonodosa.</b>
314	<b>tudiculata.</b>	326	<b>Littorina ? fasciata.</b>
314	<b>Bulimus pallidior.</b>	328	<b>Radius (Californica).</b>
315	<b>Melampus olivaceus.</b>	328	<b>Erato vitellina.</b>
316	<b>Physa virgata.</b>	329	<b>Cancellaria funiculata.</b>
317	<b>Lepidopleurus Magdalen-</b>	329	<b>ventricosa.</b>
318	<b>Mopalia Blainvillei. [sis.</b>	330	<b>(Myurella) armillata.</b>
318	<b>[Gen. indet. ornatus.</b>	330	<b>Pleurotoma gemmata.</b>
318	<b>Nacella depicta.</b>	330	<b>Drillia inermis.</b>
318	<b>incessa.</b>	330	<b>plumbea.</b>
319	<b>Acmaea patina.</b>	330	<b>luctuosa.</b>
319	<b>persona.</b>	332	<b>Mangelia plumbea.</b>
319	<b>spectrum.</b>	332	<b>Conus Californicus.</b>
319	<b>grandis.</b>	333	<b>Solarium placendale.</b>
319	<b>scabra.</b>	337	<b>Polinices ? uber.</b>
319	<b>mesoleuca.</b>	338	<b>(Argobuccinum ? scabrum.)</b>
319	<b>fascicularis.</b>	338	<b>Ranella triquetra.</b>
319	<b>Scurria mitra.</b>	338	<b>Californica.</b>
319	<b>Fissurella volcano.</b>	338	<b>muriciformis.</b>
320	<b>Haliotis (Kamtschatki-</b>	339	<b>Olivella (glandinaria).</b>
320	<b>splendens. [ana.)</b>	340	<b>Purpura emarginata.</b>
320	<b>Californiensis.</b>	340	<b>Rhizocheilus foveolata.</b>
320	<b>Cracherodii.</b>	340	<b>Vitularia Belcheri</b>
320	<b>Phasianella compta.</b>	340	<b>Pseudoliva Kelletti.</b>
320	<b>Callopoma (Fokkesii).</b>	341	<b>(lugubris).</b>
320	<b>(Ziziphinus) filiosus.</b>	341	<b>Nitidella Californica.</b>
321	<b>Osilinus (gallinus).</b>	341	<b>Columbella carinata.</b>
321	<b>Omphalius moestus.</b>	341	<b>Californiana.</b>
321	<b>aureotinctus.</b>	342	<b>Nassa fossata.</b>
321	<b>brunneus.</b>	342	<b>perpinguis.</b>
323	<b>Crucibulum spinosum.</b>	342	<b>tegula.</b>
323	<b>Crepidula incurva.</b>	345	<b>(Pteronotus) festinus.</b>
324	<b>Hipponyx Grayanus.</b>	345	<b>(Muricidea) perita.</b>
324	<b>Aletes squamigerus.</b>		

## V. GULF OF CALIFORNIA FAUNA.

## CLASS PALLIOBRANCHIATA.

Page.		Page.
298	<i>Discina Cumingii</i> .	

## CLASS LAMELLIBRANCHIATA.

299	<i>Pholadidea melanura</i> .	301	<i>Periploma Leana</i> .
299	<i>curta</i> .	301	<i>planiuscula</i> .
299	<i>Parapholas calva</i> .	301	<i>excurvata</i> .
299	<i>acuminata</i> .	301	<i>papyracea</i> .
299	<i>Martesia intercalata</i> .	301	<i>Pandora claviculata</i> .
299	<i>Gastrochaena truncata</i> .	301	<i>Solecurtus politus</i> .
299	<i>ovata</i> .	301	—
299	<i>Saxicava ? arctica</i> .	301	<i>affinis</i> .
299	<i>Petricola dactylus</i> .	301	<i>Sanguinolaria miniata</i> .
299	<i>denticulata</i> .	301	<i>tellinoides</i> .
299	<i>ventricosa</i> .	301	<i>Psammobia Kindermanni</i> .
299	—	301	—
299	<i>robusta</i> .	302	<i>Tellina pura</i> .
299	<i>pholadiformis</i> .	302	<i>gemma</i> .
299	<i>Rupellaria foliacea</i> .	302	<i>Mazatlanica</i> .
299	<i>paupercula</i> .	302	<i>Broderipii</i> .
299	<i>lingua-felis</i> .	302	<i>straminea</i> .
299	<i>exarata</i> .	302	<i>donacilla</i> .
299	—	302	<i>regularis</i> .
300	? <i>Narancio scobina</i> .	302	<i>lamellata</i> .
300	—	302	<i>delicatula</i> .
300	<i>Mya ? —</i> .	302	<i>denticulata</i> .
300	<i>Sphaenia fragilis</i> .	302	— (3 sp.)
300	(2 sp.)	302	<i>rufescens</i> .
300	<i>Corbula polychroma</i> .	302	<i>eburnea</i> .
300	(2 sp.)	302	<i>Dombel</i> .
300	<i>bicarinata</i> .	302	<i>punicea</i> .
300	<i>tenuis</i> .	302	<i>felix</i> .
300	<i>obesa</i> .	302	<i>Cumingii</i> .
300	<i>biradiata</i> .	302	<i>puella</i> .
300	? <i>ovulata</i> .	302	<i>brevirostris</i> .
300	<i>pustulosa</i> .	303	<i>Strigilla carnaria</i> .
300	<i>ventricosa</i> .	303	<i>lenticula</i> .
300	<i>Thracia squamosa</i> .	303	<i>pliformis</i> .
300	<i>Tyleria fragilis</i> .	303	<i>dichotoma</i> .
300	<i>Lyonsia —</i> .	303	<i>ervilla</i> .
301	<i>diaphana</i> .	303	<i>Tellidora Burneti</i> .
301	<i>picta</i> .	303	? <i>Scrobicularia producta</i> .

Page.		Page.	
303	<b>Semele flavescens.</b>	305	<b>Venus reticulata.</b>
303	<b>Californica.</b>	305	<b>undatella.</b>
303	<b>? venusta.</b>	305	—— (2 sp.)
304	<b>Cumingia Californica.</b>	306	<b>? orenifera.</b>
304	<b>lamellosa.</b>	306	<b>Columbiensis.</b>
304	<b>trigonularis.</b>	306	<b>amathusia.</b>
304	——.	306	<b>gnidia.</b>
304	<b>Iphigenia lævigata.</b>	306	<b>distans.</b>
304	<b>altior.</b>	306	<b>multicostata.</b>
304	<b>Donax rostratus.</b>	306	<b>Anomalocardia subimbri-</b>
304	<b>Carpenteri.</b>	306	<b>subrugosa.</b> [cata.
304	<b>transversus.</b>	306	<b>? Tapes squamosa.</b>
304	<b>punctatostriatus.</b>	306	<b>histrionica.</b>
304	<b>Conradi.</b>	306	<b>grata.</b>
304	<b>carinatus.</b>	306	<b>Gouldia varians.</b>
304	<b>assimilis.</b>	306	<b>Pacifica.</b>
304	<b>navicula.</b>	306	<b>Circe margarita.</b>
304	<b>Maotra pallida.</b>	306	<b>subtrigona.</b>
304	<b>goniata.</b>	306	<b>Trapezium</b>
304	<b>fragilis.</b>	306	<b>Cardita Californica.</b>
304	<b>Californica.</b>	307	<b>Venericardia</b> ——.
304	<b>exoleta.</b>	307	<b>Chama exogyra.</b>
304	<b>angulata.</b>	307	<b>fr. Mexicana.</b>
304	<b>elegans.</b>	307	<b>spinosa.</b>
304	<b>Gnathodon mendicus.</b>	307	<b>Cardium elatum.</b>
305	<b>? Clementia gracillima.</b>	307	<b>alabastrum.</b>
305	<b>Trigona (crassatelloides).</b>	307	<b>rotundatum.</b>
305	<b>humilis.</b>	307	—— (7 sp. ind.)
305	<b>argentina.</b>	307	<b>graniferum.</b>
305	<b>radiata.</b>	307	<b>(maculosum).</b>
305	<b>planulata.</b>	307	<b>? senticosum.</b>
305	<b>Dosinia Annæ.</b>	307	<b>Belcheri.</b>
305	<b>ponderosa.</b>	307	<b>procerum.</b>
305	<b>Dunkeri.</b>	307	<b>Lucina punctata.</b>
305	<b>Cyclina subquadrata.</b>	307	<b>annulata.</b>
305	<b>Dione brevispinosa.</b>	307	<b>? muricata.</b>
305	<b>lupinaria.</b>	308	<b>excavata.</b>
305	<b>circinata.</b>	308	<b>pectinata.</b>
305	<b>concinna.</b>	308	<b>cancellaris.</b>
305	<b>rosea.</b>	308	<b>Mazatlanica.</b>
305	<b>chionæa.</b>	308	<b>prolongata.</b>
305	<b>aurantia.</b>	308	—— (3 sp.)
305	<b>vulnerata.</b>	308	<b>fenestrata.</b>
305	<b>Cythærea petechialis.</b>	308	<b>eburnea.</b>
305	<b>Venus Californiensis.</b>	308	<b>tigerrina.</b>

Page.		Page.	
308	? <i>Fimbria</i> ———.	310	<i>Arca reversa</i> .
308	<i>Diplodonta semiaspera</i> .	310	<i>emarginata</i> .
308	<i>subquadrata</i> .	310	<i>Byssarcoa vespertilio</i> .
308	<i>obliqua</i> .	310	<i>fusca</i> .
308	<i>Felania serricata</i> .	310	<i>gradata</i> .
308	<i>Kellia suborbicularis</i> .	310	<i>Pacifica</i> .
308	<i>Lasea</i> ? <i>rubra</i> .	310	<i>mutabilis</i> .
308	<i>trigonalis</i> .	310	<i>solida</i> .
308	<i>oblonga</i> .	310	<i>illota</i> .
308	————.	310	<i>Pectunculus giganteus</i> .
308	<i>Lepton Clementinum</i> .	310	<i>bicolor</i> .
308	<i>Dionæum</i> .	310	<i>parcipictus</i> .
308	<i>umbonatum</i> .	310	? <i>multicostatus</i> .
308	<i>Pythina sublævis</i> .	310	<i>inæqualis</i> .
308	<i>Montacuta elliptica</i> .	311	<i>Nucula exigua</i> .
308	<i>subquadrata</i> .	311	<i>Leda</i> ? <i>Elenensis</i> .
308		311	<i>Pinna lanceolata</i> .
308	<i>Cyrena olivacea</i> .	311	<i>maura</i> .
308	<i>Mexicana</i> .	311	<i>rugosa</i> .
308	<i>insignis</i> .	311	<i>Avicula sterna</i> . [ca.]
309	<i>subquadrata</i> .	311	( <i>Margaritiphora Mazatlani</i> -
309	( <i>Anodon ciconia</i> ).	311	<i>Isognomon Chemnitzia</i> -
309	<i>Mytilus multiformis</i> .	311	<i>Janus</i> . [num.]
309	<i>palliopunctatus</i> .	311	<i>Pecten circularis</i> .
309	<i>Septifer Cumingianus</i> .	311	<i>dentatus</i> .
309	<i>Modiola capax</i> .	311	<i>nodosus</i> .
309	<i>Braziliensis</i> .	311	———— (2 sp.)
309	<i>Crenella coarctata</i> .	311	<i>subnodosus</i> .
309	<i>Lithophagus attenuatus</i> .	311	<i>Lima tetrica</i> .
309	<i>calyculatus</i> .	312	<i>Spondylus</i>
309	<i>cinnamomeus</i> .	312	<i>calcifer</i> .
310	<i>aristatus</i> .	312	<i>Plicatula penicillata</i> .
310	<i>plumula</i> .	312	<i>Ostrea conchaphila</i> .
310	<i>Leiosolenus spatiosus</i> .	312	<i>palmula</i> .
310	————.	312	<i>Cumingiana</i> .
310	<i>Arca bifrons</i> .	312	
310	<i>cardiformis</i> .	312	<i>Columbiensis</i> .
310	———— (2 sp.)	312	<i>Virginica</i> .
310	<i>brevifrons</i> .	312	<i>iridescens</i> .
310	<i>multicostata</i> .	312	<i>Placunanomia claviculata</i> .
310	<i>labiata</i> .	312	<i>pernoides</i> .
310	<i>tuberculosa</i> .	312	<i>foliata</i> .
310	<i>grandia</i> .	312	<i>Anomia lampe</i> .

## CLASS GASTEROPODA.

Page.		Page.	
313	<b>Smaragdinella thecaphora.</b>	318	<b>Patella Mexicana.</b>
313	<b>Bulla nebulosa.</b>	318	pediculus.
313	exarata.	318	discors.
313	——.	318	<b>Nacella</b> ——.
313	<b>Quoyii.</b>	319	<b>Acmaea (Mazatlanica).</b>
313	<b>Adamsi.</b>	319	patina.
313	<b>Haminea cymbiformis.</b>	319	persona.
313	<b>Cyllichna luticola.</b>	319	scabra.
313	<b>Tornatina carinata.</b>	319	mesoleuca.
313	infrequens.	319	fascicularis.
313	<b>Glandina Albersi.</b>	319	vespertina.
313	turris.	319	livescens.
314	<b>Bulimus Ziegleri.</b>	319	mitella.
314	zebra.	319	<b>Scutellina navicelloides.</b>
314	<b>Mexicanus.</b>	319	<b>Gadinia pentagoniostoma.</b>
315	<b>Succinea cingulata.</b>	319	<b>Fissurella nigrocincta.</b>
315	<b>Melampus olivaceus.</b>	319	alba.
316	<b>Physa aurantia.</b>	319	spongiosa.
316	elata.	319	——.
316	<b>Planorbis tumens.</b>	319	rugosa.
316	<b>Siphonaria æquilirata.</b>	319	virescens.
316	lecanium.	319	(Peruviana).
316	——.	320	<b>Glyphis alta.</b>
316	<b>Ianthina striulata.</b>	320	inæqualis.
316	decollata.	320	<b>Rimula Mazatlanica.</b>
316	<b>Recluzia Rollandiana.</b>	320	<b>Phasianella compta.</b>
317	<b>Dentalium liratum.</b>	320	perforata.
317	hyalinum.	320	<b>Callopoma fluctuosum.</b>
317	corrugatum.	320	<b>Uvanilla olivacea.</b>
317	pretiosum.	320	unguis.
317	<b>Lophyrus articulatus.</b>	320	inermis.
317	albolineatus.	320	<b>Bankivia (variana).</b>
317	striatosquamosus.	320	(Ziziphinus) versicolor.
317	lævigatus.	321	<b>M'Andræe.</b>
317	<b>Lepidopleurus Magdalen-</b>	321	——.
317	clathratus. [sis.	321	<b>Omphalius rugosus.</b>
317	bullatus.	321	viridulus.
317	<b>M'Andræe.</b>	321	ligulatus.
317	<b>Beanti.</b>	321	globulus.
317	sanguineus.	321	<b>Vitrinella decussata.</b>
317	<b>Toncia Forbesii.</b>	321	monilis.
317	<b>Chiton flavescens.</b> [tes.	321	monilifera.
318	<b>Acanthochites Arragoni-</b>	321	lirulata.

Page.		Page.	
321	<i>Vitrinella subquadrata</i> .	323	<i>Crepidula onyx</i> .
321	<i>bifilata</i> .	323	<i>nivea</i> .
321	<i>bifrontia</i> .	323	<i>unguiformis</i> .
321	<i>coronata</i> .	323	<i>dorsata</i> .
321	<i>annulata</i> .	323	( <i>dilatata</i> ).
321	<i>cincta</i> .	324	<i>Hipponyx Grayanus</i> .
321	<i>carinulata</i> .	324	<i>serratus</i> .
321	<i>naticoides</i> .	324	<i>antiquatus</i> .
322	<i>planospirata</i> .	324	<i>planatus</i> .
322	<i>orbis</i> .	324	<i>barbatus</i> .
322	<i>Panamensis</i> .	324	<i>Capulus</i> ———.
322	<i>parva</i> .	324	<i>Aletes margaritarum</i> .
322	<i>perparva</i> .	324	<i>centiquadrus</i> .
322	<i>exigua</i> .	324	<i>Vermetus eburneus</i> .
322	? <i>Liotia carinata</i> .	324	<i>Bivonia contorta</i> .
322	<i>striulata</i> .	324	<i>albida</i> .
322	<i>C-B-Adamsi</i> .	324	——— (2 sp.)
322	———.	324	<i>Petalococonchus macro-</i>
322	? <i>Globulus tumens</i> .	324	<i>phragma</i> .
322	<i>Ethalia pyricalloso</i> .	324	<i>Elephantulum insculptum</i> .
322	<i>lirulata</i> .	324	<i>subspirale</i> .
322	<i>pallidula</i> .	324	<i>abnormale</i> .
322	<i>carinata</i> .	324	<i>obtusum</i> .
322	<i>amplectans</i> .	324	<i>liratocinctum</i> .
322	<i>Teinostoma amplectans</i> .	324	<i>heptagonum</i> .
322	<i>substriatum</i> .	324	<i>Anellum elongatum</i> .
322	<i>Nerita scabricosta</i> .	324	<i>subimpressum</i> .
322	<i>Bernhardi</i> .	324	<i>clathratum</i> .
322	<i>Neritina Californica</i> .	324	<i>quadratum</i> .
322	<i>cassiculum</i> .	324	<i>undatum</i> .
322	<i>picta</i> .	324	<i>firmatum</i> .
323	<i>Narica cryptophila</i> .	324	<i>Fartulum farcimen</i> .
323	<i>Crucibulum spinosum</i> .	324	<i>glabriforme</i> .
323	<i>Jewettii</i> .	324	<i>corrugulatum</i> .
323	<i>imbricatum</i> .	324	<i>dextroversum</i> .
323	<i>Calyptrea capacea</i> .	325	<i>reversum</i> .
323	<i>Galerus mammillaris</i> .	325	<i>teres</i> .
323	<i>conicus</i> .	325	<i>laeve</i> .
323	<i>subreflexus</i> .	325	<i>Turritella gonlostoma</i> .
323	<i>Trochita spirata</i> .	325	<i>tigrina</i> .
323	<i>ventricosa</i> .	325	<i>Cerithium stercusmusca-</i>
323	<i>Crepidula adunca</i> .	325	<i>alboliratum</i> . [rum.
323	<i>aculeata</i> .	325	——— (2 sp.)
323	<i>incurva</i> .	325	<i>maculosum</i> .
323	<i>excavata</i> .	325	<i>famelicum</i> .

Page.		Page.	
325	<b>Cerithium uncinatum.</b>	327	<b>Alaba conica.</b>
325	interruptum.	328	mutans.
325	<b>Vertagus gemmatus.</b>	328	laguncula.
325	———.	328	——— (2 sp.)
325	<b>Triphoris alternatus.</b>	328	<b>Planaxis nigrifella.</b>
325	inconspicuus.	328	<b>Radius variabilis.</b>
325	?infrequens.	328	<b>Cypræa exanthema.</b>
325	<b>Cerithidea varicosa.</b>	328	<b>Luponia ?spurca).</b>
325	Montagnei.	328	<b>Arcia arabicula.</b>
326	<b>Ampullaria malleata.</b>	328	<b>Trivia subrostrata.</b>
326	<b>Truncatella</b> ——.	328	pulla.
326	<b>Littorina fasciata.</b>	328	sanguinea.
326	coronata.	328	Solandri.
326	———.	328	radians.
326	aspera.	328	pustulata.
326	conspersa.	328	<b>Erato columbella.</b>
326	Philippii.	328	scabriuscula.
326	<b>Modulus catenulatus.</b>	329	<b>Cancellaria candida.</b>
326	disculus.	329	obesa.
326	———.	329	urceolata.
326	<b>Fossarus tuberosus.</b>	329	ventricosa.
326	angulatus.	329	cassidiformis.
326	<b>Isapis ovoidea.</b>	329	solida.
327	maculosa.	329	goniostoma.
327	———.	329	<b>Strombus galeatus.</b>
327	<b>Rissoia stricta.</b>	329	granulata.
327	<b>Woodwardii.</b>	329	gracillior.
327	———.	329	<b>Subula luctuosa.</b>
327	<b>Barlecia lirata.</b>	330	(Euryta) fulgurata.
327	? <b>Alvania excurvata.</b>	330	aciculata.
327	effusa.	330	<b>Terebra specillata.</b>
327	tumida.	330	robusta.
327	———.	330	(Myurella) armillata.
327	<b>Cingula</b> ——.	330	tuberculosa.
327	<b>Hydrobia ulvæ.</b>	330	variegata.
327	———.	330	albocincta.
327	<b>Jeffreysia bifasciata.</b>	330	<b>Hindsii.</b>
327	Alderi.	330	subnodosa.
327	tumens.	330	rufocinerea.
327	———.	330	<b>Pleurotoma tuberculifera.</b>
327	<b>Alaba supralirata.</b>	330	bituberoulifera.
327	violacea.	330	nobilis.
327	terebralis.	330	funiculata.
327	alabastrites.	330	maculosa.
327	scalata.	330	picta.



Page.		Page.	
330	<i>Drillia luctuosa</i> .	334	<i>Parthenia exarata</i> .
330	<i>cerithoidea</i> .	334	<i>xisiphina</i> .
331	<i>monilifera</i> .	334	<i>Chrysallida ovata</i> .
331	<i>albovallosa</i> .	334	<i>nodosa</i> .
331	<i>albonodosa</i> .	334	<i>rotundata</i> .
331	<i>Hanleyi</i> .	334	<i>oblonga</i> .
331	—— (2 sp.)	334	<i>telescopium</i> .
331	<i>rudis</i> .	334	<i>Reigeni</i> .
331	<i>aterrima</i> .	334	<i>effusa</i> .
331	<i>zonulata</i> .	334	<i>fasciata</i> .
331	<i>incrassata</i> .	334	<i>ovulum</i> .
331	<i>Clathurella aurea</i> .	334	<i>convexa</i> .
331	( <i>Defrancia</i> ) <i>rava</i> .	334	<i>Photis</i> .
332	<i>Cithara</i> ——.	334	<i>indentata</i> .
332	<i>Mangelia acuticostata</i> .	334	<i>clausiliformis</i> .
332	<i>Conus ferrugatus</i> .	334	<i>communis</i> .
332	<i>concinus</i> .	334	<i>Chemnitzia prolongata</i> .
332	<i>pusillus</i> .	334	<i>muricata</i> .
332	<i>puncticulatus</i> .	334	<i>gibbosa</i> .
332	——.	334	<i>gracillima</i> .
332	<i>scalaris</i> .	334	<i>undata</i> .
332	<i>nux</i> .	334	<i>flavescens</i> .
332	<i>gladiator</i> .	334	<i>terebralis</i> .
332	<i>purpurascens</i> .	334	<i>tenuilirata</i> .
333	<i>regalitatis</i> .	335	<i>unifasciata</i> .
333	<i>regularis</i> .	335	—— (4 sp.)
333	? <i>arcuatus</i> .	335	<i>C-B-Adamsi</i> .
333	<i>princeps</i> .	335	<i>Panamensis</i> .
333	<i>Solarium (granulatum)</i> .	335	<i>similis</i> .
333	<i>Torinia variegata</i> .	335	<i>aculeus</i> .
333	? <i>granosa</i> .	335	<i>affinis</i> .
333	<i>Obeliscus (achates)</i> .	335	( <i>Dunkeria</i> ) <i>paucilirata</i> .
333	? <i>conicus</i> .	335	<i>subangulata</i> .
333	<i>Odostomia subilirulata</i> .	335	<i>cancellata</i> .
333	<i>lamellata</i> .	335	<i>intermedia</i> .
333	<i>subsulcata</i> .	335	<i>Eulimella obsoleta</i> .
334	<i>vallata</i> .	335	—— (3 sp.)
334	<i>mamillata</i> .	335	? ——.
334	<i>tenuis</i> .	335	<i>Aclis fusiformis</i> .
334	——.	335	<i>tumens</i> .
334	( <i>Auriculina</i> ) —— (3 sp.)	335	<i>Eulima hastata</i> .
334	<i>Parthenia scalariformis</i> .	335	(2 sp.)
334	<i>quinquecincta</i> .	335	<i>Leiostraca linearis</i> .
334	<i>lacunata</i> .	335	? <i>distorta</i> .
334	<i>armata</i> .	335	—— (2 sp.)

Page.		Page.	
335	<i>Lelostrea</i> ? <i>recta</i> .	339	<i>Voluta harpa</i> .
335	? <i>solitaria</i> .	339	<i>Marginella curta</i> .
335	? <i>lota</i> .	339	<i>polita</i> .
335	<i>Certhiopsis tuberculoides</i> .	339	<i>margaritula</i> .
335	<i>cerea</i> .	339	<i>minor</i> .
335	<i>pupiformis</i> .	339	<i>Oliva intertincta</i> .
335	<i>Sorex</i> .	339	<i>Duclosi</i> .
335	<i>convexa</i> .	339	? <i>eburnea</i> .
335	<i>decussata</i> .	339	<i>porphyria</i> .
335	<i>assimilata</i> .	339	<i>angulata</i> .
336	<i>Scalaria indistincta</i> .	339	<i>Melcherei</i> .
336	<i>reflexa</i> .	339	<i>splendidula</i> .
336	<i>suprastrata</i> .	339	<i>venulata</i> .
336	<i>raricostata</i> .	339	<i>Cumingii</i> .
336	—— (2 sp.)	339	<i>Olivella dama</i> .
336	<i>hexagona</i> .	339	<i>intorta</i> .
336	<i>Cirsotrema funiculata</i> .	339	<i>p. aureocincta</i> .
336	<i>Natica maroceana</i> .	339	<i>anzora</i> .
336	<i>bifasciata</i> .	339	<i>zonalis</i> .
336	——.	340	<i>tergina</i> .
337	<i>Lunatia tenuilirata</i> .	340	<i>undatella</i> .
337	—— (3 sp.)	340	<i>inconspicua</i> .
337	<i>otis</i> .	340	<i>Aragonia testacea</i> .
337	<i>Neverita glauca</i> .	340	<i>Purpura emarginata</i> .
337	<i>Polinices uber</i> .	340	<i>triangularis</i> .
337	<i>intemerata</i> .	340	<i>triserialis</i> .
337	<i>unimaculata</i> .	340	<i>patula</i> .
337	<i>Sigaretus debilis</i> .	340	<i>columellaris</i> .
337	<i>Lamellaria</i> (2 sp.)	340	<i>muricata</i> .
337	<i>Ficula ventricosa</i> .	340	<i>biserialis</i> .
337	<i>Oniscia tuberculosa</i> .	340	<i>Cuma costata</i> .
337	<i>Cassis coarctata</i> .	340	<i>kiosquiformis</i> .
338	( <i>Argo buccinum</i> ) <i>nodosum</i> .	340	<i>Rhizocheilus asper</i> .
338	<i>Ranella pectinata</i> .	340	<i>nux</i> .
338		340	<i>Vitularia salebrosa</i> .
338	? <i>tuberculata</i> .	341	<i>Monoceros tuberculatum</i> .
338	<i>nana</i> .	341	( <i>cornigerum</i> ).
338	<i>Turbinella cæstus</i> .	341	<i>Nitidella</i>
338	<i>Lathirus armatus</i> .	341	<i>cribraria</i> .
338	<i>Californicus</i> .	341	<i>Columbella cervinetta</i> .
338	<i>ceratus</i> .	341	<i>nasuta</i> .
338	<i>Leucozonia cingulata</i> .	341	<i>major</i> .
338	<i>Fasololaria princeps</i> .	341	<i>strombiformis</i> .
338	<i>Mitra lens</i> .	341	<i>fuscata</i> .
339	<i>Strigatella tristis</i> .	342	<i>Metula</i> —— (4 sp.)

Page.		Page.	
342	<b>Nassa tegula.</b>	343	<b>Anachis pygmaea.</b>
342	<b>crebristriata.</b>	344	<b>Strombina</b>
342	——— (♀ sp.)	344	<b>maculosa.</b>
342	<b>versicolor.</b>	344	<b>Pisania gemmata.</b>
342	<b>luteostoma.</b>	344	<b>sanguinolenta.</b>
342	? <b>acuta.</b>	344	<b>insignis.</b>
342	<b>gemmaulosa.</b>	344	? ( <b>æquilirata</b> ).
343	<b>Pyrula patula.</b>	344	<b>ringens.</b>
343	<b>Fusus lignarius.</b>	344	<b>Northia pristis.</b>
343	<b>ambustus.</b>	344	<b>Murex armatus.</b>
343	<b>tumens.</b>	345	<b>plicatus</b>
343	<b>apertus.</b>	345	<b>recurv lividus.</b>
343	——— (2 sp.)	345	<b>(Phyllonotus) imperialis.</b>
343	<b>pallidus.</b>	345	<b>nigritus.</b>
343	<b>Cominella</b> ———.	345	<b>brassica.</b>
343	<b>Anachis tæniata.</b>	345	<b>princeps.</b>
343	<b>nucleolus.</b>	345	<b>nitidus.</b>
343	<b>pallida.</b>	345	<b>bicolor.</b>
343	<b>nigrofusca.</b>	345	<b>regius.</b>
343	<b>serrata.</b>	345	<b>(Muricidea) radicata.</b>
343	<b>rufotincta.</b>	345	<b>fimbriata.</b>
343	<b>albonodosa.</b>	345	<b>pauzillus.</b>
343	——— (2 sp.)	345	———.
343	<b>Gaskoinel.</b>	345	<b>lapa.</b>
343	<b>costellata.</b>	345	? <b>er. indentata.</b>
343	<b>scalarina.</b>	345	<b>dubia.</b>
343	<b>coronata.</b>	345	<b>Typhis fimbriatus.</b>
343	<b>fulva.</b>	345	<b>grandis.</b>

## LIST OF PLATES.

Pl. Fig.		Pl. Fig.	
vi 1-4	<b>Afca grandis.</b>	viii 1	<b>Crepidula nivea.</b>
vii 1 a	<b>Cyrena Mexicana.</b>		<i>Calyptræa squama.</i>
	<i>C. Florida</i> Desh. non		<i>Lessonii.</i>
1 b	<i>altalis.</i> [Conr.]		<i>striolata.</i>
vii 2	<b>Avicula sterna</b> Gould.	viii 2	<b>unguiformis.</b>
vii 3	<b>Gadinia pentagonios-</b>	viii 3	<b>aculeata.</b>
	<b>toma.</b>		<i>Calyptræa echinus.</i>
vii 4	<b>Glyphis inæqualis.</b>		<i>histriz.</i>
	<i>Fissurella pica.</i>		<i>Crepidula costata</i> Mke.
	<i>mus.</i>		non Sb.
vii 5	<b>Fissurella rugosa.</b>		<i>Californica.</i>
	<i>F. chlorotrema.</i>	viii 4	<b>Lophyrus articulatus</b> Sb.
	<i>humilis.</i> [Rv.]	viii 5	<b>Fissurella virescens.</b>
	<i>viminea</i> Mke. non		

<p>Pl. Fig.</p> <p>ix 1 <b>Crucibulum imbricatum.</b>  <i>Patella scutellata.</i>  <i>Calypeopsis rugosa.</i>  <i>Dyspotæa dentata.</i>  <i>Calyptræa extinctorium</i>  Sby. non Lam.  <i>rugosa.</i></p> <p>ix 2 <b>Crepidula indorsata.</b>  var. <i>bilobata.</i></p> <p>ix 3 <b>Crucibulum spinosum.</b>  <i>Patella Peziza.</i></p>	<p>Pl. Fig.</p> <p><i>Calyptræa tubifera.</i>  <i>Calypeopsis auriculata.</i>  <i>tenuis.</i>  <i>hispidæ.</i>  <i>maculata.</i>  <i>quiriquina.</i>  <i>Byronensis.</i>  <i>rugosa.</i>  <i>lignaria.</i></p> <p>ix 4 <b>Cæcum undatum.</b></p> <p>ix 5 <b>Neritina cassiculum.</b></p>
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**Conrad.**—In the Advocate of Science and Annals of Natural History, vol. i, No. 2, September, 1834, Philadelphia. By T. A. CONRAD, are—

Page.	Name.	Locality.
58	Notes on <b>Rangia Cyrenoides.</b>	Mobile.

**Rafinesque.**—Conchology: a new Tubular Fresh-water Shell of the Alleghany Mountains: by C. S. RAFINESQUE. (From Atlantic Journal and Friend of Knowledge, No. 3, page 121. Philadelphia, 1832.)

Page.	Name.	Locality.
122	<b>Psephides Raf.</b> (n. g.)	
122	<b>parodoxa Raf.</b>	Sherman creek, Perry Co., Pa. (Wood-cut on page 121.)

**Rafinesque.**—Odatelia: new genus of North American Fluvial Bivalve Shells: by C. S. RAFINESQUE. (From the same, No. 4, 1832.)

Page.	Name.	Page.	Name.
154	<b>Odatelia Raf.</b> (n. g.)		<i>Unio dehiscens</i> Say.
154	<b>radiata Raf.</b>		<i>Anodonta prelonga</i> Green.
	<i>Unio oriens</i> Lea.		

**C. B. Adams.**—(In Silliman's Journal, o. s., vol. xlv, No. 2. Jan.—March, 1843.)

Page.	Name.	Locality.
420	<b>Periploma trapezoides</b> Desh. <i>Thracia inequalis.</i>	Mobile bay.

**Anonymous.**—Mr. Lea on the Naiades, in the Transactions of the American Philosophical Society. (From Silliman's Journal, o. s., vol. xxii, No. 1, pp. 169–179. July, 1832.)

[No descriptions or synonymy are given, but a repetition of Mr. LEA's Synopsis.—W. G. B.]

**Anonymous.**—Observations on the Genus Unio, &c., by I. Lea, in the Transactions of the American Philosophical Society. (From Silliman's Journal, o. s., vol. xxvii, No. 2, pp. 371–377. 1835.)

[Extracts from the paper criticized are given, but no new descriptions or synonymy.—W. G. B.]

**Anonymous.**—Observations, &c., from the Transactions of the American Philosophical Society, vol. vi, No. 1. (From Silliman's Journal, o. s., vol. xxxv, p. 184. 1839.)

[This is a mere notice of one of Mr. LEA's papers, without criticisms or descriptions, with a list of species described.—W. G. B.]

**Haldeman.**—Correction to the article on Melanians (vol. xli, p. 21): by S. S. HALDEMAN. (From Silliman's Journal, o. s., vol. xlii. December, 1841.)

Page.		Page.	
216	<i>Melania undulata</i> Say.	216	<i>Trochlea Hald.</i> (n. g.)
216	<i>Nerita aurita</i> Müll. = n. g.		( <i>Planaria</i> Capt. Brown.)
	<i>Claviger.</i>	216	<i>alba</i> Brown.
216	<i>Claviger aurita.</i>	216	<i>nitens</i> Lea.
216	<i>tuberculosa.</i>		

**Couthouy.**—Notes on the following: by J. P. COUTHOUY. (From Silliman's Journal, o. s., vol. xxxvi, No. 2. April–July, 1839.)

Page.		Page.	
381	<i>Patelloidea</i> (Lottia).	381	<i>Patelloidea cœrulea.</i>
381	<i>amœna</i> Say.		Europe.
381	<i>alveus</i> Conrad.	381	<i>pellucida.</i>
			Europe.

**W. Whittemore.**—(From the same.)

Page.	Name.	Locality.
381	<i>Planorbis armigerus</i> .	Cambridge.
381	<i>Cyclas similis</i> .	Cambridge.
381	<i>Physa heterostropha</i> .	Cambridge.

**Agassiz and Gould.**—Principles of Zoölogy, &c. Part I. Comparative Physiology: by LOUIS AGASSIZ and AUGUSTUS A. GOULD. Boston, 1848.

[The work being general in its character, no descriptions of shells occur. Among the diagrams, however, occur the following]:—

Fig.	Name.	Fig.	Name.
11	<i>Natica heros</i> (nerv. system.)	52	<i>Tebennophorus Carolinien-</i>
47	<i>Loligo illecebrosa</i> .	58	<i>Natica heros</i> (teeth). [sic.

**Anonymous.**—On the Economical Uses of some species of Testacea. (From Silliman's Journal, o. s., vol. xxxii, No. 1, p. 53 No. 2, p. 235. 1837.)

[No descriptions are given, but numerous interesting remarks on the following]:—

Page.	Name.	Page.	Name.
56	<i>Mytilus margaritifera</i> Linn.	70	<i>Pinna rotundata</i> Linn. ?
68	<i>Mya margaritifera</i> Linn.	73	<i>Mytilus</i> ———.
235	<i>Murex</i> ——— ?	250	<i>Voluta gravis</i> Linn.
239	<i>tritonis</i> Linn.	250	<i>Cypræa moneta</i> Linn.
241	———— ?	251	<i>Chiton fasciatus</i> Linn.
241	<i>Ostrea edulis</i> Linn.	251	<i>Murex despectus</i> Linn.
247	<i>scabra</i> Linn.	251	<i>Solen siliqua</i> Linn.
248	<i>Mya pictorum</i> Linn.	252	<i>Mytilus edulis</i> Linn.
248	<i>Turbo littoreus</i> Linn.	254	<i>Cardium edule</i> .
248	<i>Buccinum lapillus</i> Linn.	254	<i>Helix pomatia</i> .
248	<i>Pecten maximum</i> Penn.	256	<i>Unio</i> ———.
249	<i>opercularis</i> Penn.	256	<i>Chama gigas</i> Linn., &c.
249	<i>concentricum</i> .		

**S. P. Hildreth.**—Disease among Shell-fish (Naiades). (From same as last, p. 97.)

**Mitchill.**—Facts and Observations intended to illustrate the Natural and Economical History of the Eatable Clam of New York and its vicinity: by SAMUEL L. MITCHILL, M. D., &c. (From Silliman's Journal, o. s., vol. x, No. 2, p. 287. 1826.)

*Venus mercenaria.*  
*Mya arenaria.*

*Macra solidissima.*  
*Arca barbata.*

**Gould.**—Lamarck's Genera of Shells, with a Catalogue of Species: translated from the French by AUG. A. GOULD, M. D. Boston, 1833.

[No descriptions of species are given. Dr. GOULD adds a list of American species not included by Lamarck. These only are given below.—W. G. B.]

Page.		Page.	
11	<i>Pholas oblongata.</i>	21	<i>Tellina iris.</i>
11	<i>truncata.</i>	21	<i>tenera.</i>
11	<i>cuneiformis.</i>	21	<i>intastriata.</i>
11	<i>pusillus.</i>	21	<i>lateralis.</i>
12	<i>Solen costatus.</i>	21	<i>decora.</i>
12	<i>centralis.</i>	21	<i>flexuosa.</i>
12	<i>viridis.</i>	21	<i>Tellinides rosea.</i>
13	<i>Mya acuta.</i>	25	<i>Cyclas rhomboidea.</i>
13	<i>mercenaria.</i>	25	<i>partumeia.</i>
13	<i>hyalina.</i>	27	<i>Cytherea occulta.</i>
13	<i>Anatina papyratia.</i>	28	<i>Venus castanea.</i>
13	<i>Leana.</i>	28	<i>inequalis.</i>
14	<i>Lutraria canaliculata.</i>	28	<i>elevata.</i>
15	<i>Macra similis.</i>	28	<i>præparca.</i>
15	<i>lateralis.</i>	28	<i>grata.</i>
15	<i>oblonga.</i>	28	<i>notata.</i>
15	<i>solidissima.</i>	29	<i>Venericardia tridentata.</i>
15	<i>arctata.</i>	30	<i>Cardium Mortoni.</i>
15	<i>tellinoides.</i>	30	<i>pinnulatum.</i>
15	<i>nucleus.</i>	33	<i>Arca staminea.</i>
15	<i>Erycina striata.</i>	33	<i>lienosa.</i>
16	<i>Solenomya velum.</i>	33	<i>ponderosa.</i>
17	<i>Corbula contracta.</i>	33	<i>pezata.</i>
17	<i>Pandora trilineata.</i>	33	<i>incongrua.</i>
21	<i>Tellina alternata.</i>	33	<i>transversa.</i>
21	<i>punicea.</i>	34	<i>Nucula limatula.</i>
21	<i>polita.</i>	34	<i>proxima.</i>

Page.

34	<i>Nucula nucleus.</i>
34	<i>recurva.</i>
37	<i>Unio ridibundus.</i>
37	<i>monodonta.</i>
37	<i>undulatus.</i>
37	<i>abruptus.</i>
37	<i>phaseolus.</i>
37	<i>tetralasmus.</i>
37	<i>dehiscens.</i>
37	<i>interruptus.</i>
37	<i>globulus.</i>
37	<i>declivis.</i>
37	<i>lapillus.</i>
37	<i>camptodon.</i>
37	<i>lugubris.</i>
37	<i>radiatus.</i>
37	<i>ovatus.</i>
37	<i>cariosus.</i>
37	<i>nasutus.</i>
37	<i>cylindricus.</i>
37	<i>subtentus.</i>
37	<i>plicatus.</i>
37	<i>rectus.</i>
37	<i>torsus.</i>
37	<i>mytiloides.</i>
37	<i>metanever.</i>
37	<i>scalenius.</i>
37	<i>cornutus.</i>
37	<i>verrucosus.</i>
37	<i>tuberculatus.</i>
37	<i>gibbosus.</i>
37	<i>cuneatus.</i>
37	<i>ventricosus.</i>
37	<i>siliquoides.</i>
37	<i>triangularis.</i>
37	<i>parvus.</i>
37	<i>Æsopus.</i>
37	<i>calceolus.</i>
37	<i>lanceolatus.</i>
37	<i>donaciformis.</i>
37	<i>ellipsis.</i>
37	<i>irroratus.</i>
37	<i>lachrymosus.</i>
37	<i>ater.</i>
37	<i>rubiginosus.</i>

Page.

37	<i>Unio heterodon.</i>
37	<i>sulcatus.</i>
37	<i>planulatus.</i>
37	<i>circulus.</i>
37	<i>multiradiatus.</i>
37	<i>occidens.</i>
37	<i>securis.</i>
37	<i>iris.</i>
37	<i>zig-zag.</i>
37	<i>patulus.</i>
38	<i>Symphynota lævissima.</i>
38	<i>biolata.</i>
38	<i>alata.</i>
38	<i>complanata.</i>
38	<i>compressa.</i>
38	<i>gracilis.</i>
38	<i>tenuissima.</i>
38	<i>ochracea.</i>
38	<i>cygnea.</i>
38	<i>Alasmodonta undulata.</i>
38	<i>marginata.</i>
38	<i>ambigua.</i>
38	<i>confragosa.</i>
43	<i>Modiola Americana.</i>
43	<i>castanea.</i>
43	<i>Mytilus hamatus.</i>
43	<i>lateralis.</i>
43	<i>cubitus.</i>
43	<i>leucophæatus.</i>
49	<i>Pecten concentricus.</i>
49	<i>Pealli.</i>
49	<i>ornatus.</i>
49	<i>dislocatus.</i>
51	<i>Ostrea semicylindrica.</i>
52	<i>Placuna pertusa.</i>
52	<i>quadrifasciata.</i>
58	<i>Patella amœna.</i>
58	<i>alternata.</i>
60	<i>Crepidula depressa.</i>
60	<i>glauca.</i>
60	<i>plana.</i>
60	<i>intorta.</i>
60	<i>convexa.</i>
60	<i>Calyptrea striata.</i>
60	<i>Ancylus rivularis.</i>



Page.		Page.	
61	<b>Bullæana solitaria.</b>	65	<b>Pupa ovata.</b>
63	<b>Helix albolabris.</b>	65	pentodon.
63	hirsuta.	66	<b>Bulimus multilatus.</b>
63	perspectiva.	66	multilineatus.
63	lineata.	66	<b>Achatina solida.</b>
63	thyroidus.	66	<b>Succinea ovalis.</b>
63	minuta.	66	campestris.
63	labyrinthica.	67	<b>Cyclostoma lapidaria.</b>
63	multilineata.	67	marginata.
63	appressa.	67	dentata.
63	palliata.	68	<b>Planorbis armigerus.</b>
63	infecta.	68	trivolvus.
63	clausa.	68	bicarinatus.
63	obstricta.	68	parvus.
63	elevata.	68	parallelus.
63	interna.	68	exacrus.
63	ohersina.	68	campanulatus.
63	gularis.	68	glabratus.
63	ligera.	68	<b>Physa gyrina.</b>
63	solitaria.	68	elongata.
63	jejuna.	68	heterostropha.
63	concava.	68	ancillaria.
63	dealbata.	69	<b>Lymnæa columella.</b>
63	profunda.	69	elongata.
63	alternata.	69	catascopium.
63	irrorata.	69	reflexa.
63	inornata.	69	appressa.
63	indentata.	69	elodes.
63	fallax.	69	desidiosa.
63	egena.	69	macrostoma.
63	tridentata.	69	emarginata.
63	monodon.	69	humilis.
64	<b>Polygyra auriculata.</b>	69	modicella.
64	avara.	69	obrusa.
64	septemvolva.	69	pinguis.
64	plicata.	69	galbana.
64	<b>Helicina major.</b>	69	<b>Melania nupera.</b>
64	orbiculata.	69	depygis.
64	occulta.	69	Virginica.
65	<b>Pupa armifera.</b>	69	semicarinata.
65	corticaria.	69	laqueata.
65	rupicola.	69	canaliculata.
65	contracta.	69	elevata.
65	exigua.	69	conica.
65	fallax.	69	catenaria.

Page.		Page.	
69	<i>Melania multilineata.</i>	78	<i>Turbo canaliculatus.</i>
69	<i>simplex.</i>	78	<i>palliatu8.</i>
69	<i>proxima.</i>	78	<i>vestita.</i>
70	<i>Pirena scalariformis.</i>	78	<i>obligatus.</i>
70	<i>Valvata tricarinata.</i>	79	<i>Turritella concava</i>
70	<i>Paludina decisa.</i>	79	<i>sequalis.</i>
70	<i>vivipara.</i>	79	<i>alternata.</i>
70	<i>subpurpurea.</i>	79	<i>reticulata.</i>
70	<i>intertexta.</i>	79	<i>impressa.</i>
70	<i>ponderosa.</i>	79	<i>bisuturalis.</i>
70	<i>integra.</i>	80	<i>Cerithium muscarum.</i>
70	<i>porata.</i>	80	<i>septemstriatum.</i>
70	<i>limosa.</i>	80	<i>ferrugineum.</i>
70	<i>decipiens.</i>	80	<i>dislocatum.</i>
70	<i>lustrica.</i>	81	<i>Fusus corneus.</i>
70	<i>grana.</i>	81	<i>cinereus.</i>
70	<i>subglobosa.</i>	81	<i>bicolor.</i>
73	<i>Natica triseriata.</i>	81	<i>decemcostatus.</i>
73	<i>duplicata.</i>	81	<i>fluviatilis.</i>
73	<i>rugosa.</i>	83	<i>Ranella caudata.</i>
73	<i>heros.</i>	90	<i>Buccinum ornatum.</i>
73	<i>pusilla.</i>	90	<i>armigerum.</i>
73	<i>Sigaretus perspectivus.</i>	90	<i>bezoar.</i>
73	<i>maculatus.</i>	90	( <i>Nassa</i> ) <i>vibex.</i>
75	<i>Pyramidella dolabrata.</i>	90	<i>trivittata.</i>
75	<i>plicata.</i>	90	<i>obsoleta.</i>
75	<i>corrugata.</i>	90	<i>acuta.</i>
75	<i>maculosa.</i>	90	<i>unicincta.</i>
75	<i>Scalaria multistriata.</i>	90	<i>alba.</i>
75	<i>lineata.</i>	90	<i>lunata.</i>
75	<i>clathrulus.</i>	92	<i>Columbella labiosa.</i>
76	<i>Delphinula laxa.</i>	92	<i>avara.</i>
78	<i>Turbo irroratus.</i>	97	<i>Oliva mutica.</i>

**Storer.**—A translation of Kiener's "Species General," &c. into English: by D. HUMPHREYS STORER, M. D. No. 1. Boston, 1837.

[*Buccinum*, *Dolium*, *Tornatella*, *Pyramidella*, *Thracia*, and *Harpa* were published. A list of additional American species of *Buccinum* and *Nassa* is given, without descriptions, on page 100.—W. G. B.]

*Buccinum ornatum* Say.

*Nassa vibex* Say.

*trivittata* Say.

*acuta* Say.

*Nassa uncinata* Say.

*alba* Say.

*lunata* Say.

**Ruschenberger.**—Natural History; Conchology, vol. i, book 4: by Dr. W. S. W. RUSCHENBERGER. Philad'a, 1850.

[No descriptions are given.—W. G. B.]

**Warren.**—The Conchologist: by JOHN WARREN. With 16 plates. Boston, 1834.

[No descriptions or localities are given.—W. G. B.]

**Poe.**—The Conchologist's First Book, &c.; arranged expressly for the use of Schools: by EDGAR A. POE. Second edition, with 12 plates. Philadelphia, 1840.

[No descriptions or localities of species are given. The generic descriptions appear to be copied from WYATT'S "Conchology."—W. G. B.]

**Wyatt.**—A Manual of Conchology, according to the System laid down by Lamarck, &c.: by THOMAS WYATT, M. A. With 36 plates. New York, 1838.

[Descriptions of but few species are given, and these without locality.—W. G. B.]

**Rafinesque.**—Discoveries in Natural History in the Western States: by C. S. RAFINESQUE. (From Amer. Monthly Magazine and Critical Review, vol. iii, p. 354. New York. September, 1818.)

Page.		Page.	
355	<i>Potamilus latissimus Raf.</i>	355	<i>Potamilus gibbosus Raf.</i>
355	<i>violacinus Raf.</i>	355	<i>verrucosus Raf.</i>
355	<i>niger Raf.</i>	355	<i>tubercularis Raf.</i>
355	<i>fasclolaris Raf.</i>	355	<i>nodosus Raf.</i>
355	<i>phaedrus Raf.</i>	355	<i>pusillus Raf.</i>
355	<i>ellipticus Raf.</i>	355	<i>subrotundus Raf.</i>
355	<i>zonalis Raf.</i>	355	<i>obovalis Raf.</i>
355	<i>obliquatus Raf.</i>	355	<i>Pleurocera retusa Raf.</i>
355	<i>retusus Raf.</i>	355	<i>saxatilis Raf.</i>
355	<i>truncatus Raf.</i>	355	<i>fasciata Raf.</i>
355	<i>triqueter Raf.</i>	355	<i>coneola Raf.</i>
355	<i>alatus Raf.</i>	355	<i>angulata Raf.</i>
355	<i>nervosus Raf.</i>	355	<i>turricula Raf.</i>
335	<i>fasclatus Raf.</i>	355	<i>Ambloxis eburnea Raf.</i>
355	<i>auratus Raf.</i>	355	<i>ventricosa Raf.</i>

**Rafinesque.**—Further Account of Discoveries in Natural History in the Western States: by C. S. RAFINESQUE. (From the same, vol. iv, p. 88. November, 1818.)

Page.	Name.	Locality.
42	<i>Ellipstoma Raf.</i> (n. g.)	
42	<i>gibbosa Raf.</i>	Ohio and Wabash river.
42	<i>zonalis Raf.</i>	Kentucky river.
42	<i>rugosa Raf.</i>	Ohio river.

**Rafinesque.**—General Account of the Discoveries made in the Zoology of the Western States: by C. S. RAFINESQUE. (From the same, vol. iv, p. 106. December, 1818.)

[No descriptions are given. The following new genera are mentioned by name—W. G. B.]:—

Page.	Name.	Page.	Name.
107	<i>Mesomphix Raf.</i>	107	<i>Ellipstoma Raf.</i>
107	<i>Trophodon Raf.</i>	107	<i>Euryostoma Raf.</i>
107	<i>Triodopsis Raf.</i>	107	<i>Notrema Raf.</i>
107	<i>Stenostoma Raf.</i>	107	<i>Ambloxis Raf.</i>
107	<i>Toxostoma Raf.</i>	107	<i>Patamilla Raf.</i>
107	<i>Zolotrema Raf.</i>	107	<i>Truncilla Raf.</i>
107	<i>Aplodon Raf.</i>	107	<i>Stenodon Raf.</i>
107	<i>Lymnula Raf.</i>	107	<i>Pleuroxis Raf.</i>
107	<i>Pleurotoma Raf.</i>		

**Rafinesque.**—Description of a new genus of Fluvialite Bivalve Shell of the family Brachiopoda, *Notrema fissurella*, &c.: by C. S. RAFINESQUE. (From the same, p. 356. March, 1819.)

Page.	Name.	Locality.
356	<i>Notrema fissurella Raf.</i>	Ohio river.

**Adams.**—Catalogue of the Genera and Species of Recent Shells in the Collection of C. B. ADAMS, A. M. Middlebury, 1847.

[No descriptions are given. As the "North American" species are not limited to the region to which my extracts are confined, I do not insert them here.—W. G. B.]

Page.	Name.	Page.	Name.
19	<i>Cerithium terebrale</i> Ad. prec. =	21	<i>Natica canaliculata</i> Gld. prec.
	<i>C. terrellum.</i>		= N. Gouldi Adams.

Page.		Page.
23	<i>Cyclostoma obscurum</i> Gr. preoc. = <i>C. Grayanum</i> Adams.	32 <i>Helix cellaria</i> . <i>H. glaphyra</i> .
29	<i>Thetis</i> preoc. = <i>Gouldia</i> .	32 <i>Physa hypnorum</i> .
32	<i>Helix arbustorum</i> .	32 <i>Paludina vivipara</i> .
32	<i>aspersa</i> .	32 <i>Limnæa minuta</i> .
32	<i>hortensis</i> .	32 <i>desidiosa</i> .
32	<i>virgata</i> .	32 <i>Helix lucida</i> .
	Notes on—	32 <i>arborea</i> .
32	<i>Helix pulchella</i> .	

**Kirtland.**—Remarks on the Sexes and Habits of some of the Acephalous Bivalve Mollusca: by JARED P. KIRTLAND, M. D. (From Proc. Am. Assoc. Adv. Sci., vol. v, p. 85-91. Washington, 1851.)

[Notes on sexual differences, byssus, locality, rarity, &c., of numerous species.—W. G. B.]

**Akerly.**—Economic History of the Fishes sold in the Markets of the city of New York: by Dr. S. AKERLY. (From Amer. Monthly Magazine and Critical Review, vol. ii. New York. Feb. 1818.)

Page.		Page.
296	Notes on <i>Mya arenaria</i> .	296 Notes on <i>Ostrea edulis</i> .
296	<i>Venus mercenaria</i> .	(Also on page 475.)

**Kennicott.**—Catalogue of Animals observed in Cook County, Illinois: by ROBERT KENNICOTT. (From Trans. Illinois State Agricultural Soc., vol. i, p. 577. Mollusca, p. 595. Springfield, Ill., 1855.)

[No descriptions are given.—W. G. B.]

Page.		Page.
595	<i>Unio alatus</i> Say.	595 <i>Unio parvus</i> Barnes.
595	<i>costatus</i> Raf.	595 <i>Alasmodonta calceolata</i>
595	<i>iris</i> Lea.	595 <i>Cyclas similis</i> Say. [Lea.]
595	<i>bullatus</i> Raf.	595 <i>Helix monodon</i> Rack.
595	<i>fragilis</i> Raf.	595 <i>profunda</i> .
595	<i>luteolus</i> Lam.	595 <i>Planorbis campanulatus</i>
595	<i>dilatatus</i> Raf.	595 <i>trivolvris</i> Say. [Say.]
595	<i>occineus</i> Hildr.	595 <i>Limnea reflexa</i> Say.
595	<i>cardium</i> Raf.	595 <i>fragilis</i> Linn.

Page.	Page.
595 <i>Limnea emarginata</i> Say.	595 <i>Melania carinata</i> .
595 <i>Physa heterostropha</i> Say.	595 <i>semicarinata</i> Say.
595 <i>Paludina decisa</i> Say.	

**Conrad.**—Shells from Coast of Lower California and Peru: by T. A. CONRAD. (From Journ. Acad. Nat. Sci. Phila., N. S., vol. i, pt. 4, p. 278 Jan. 1850. Vide also, *ante*.)

Page.	Plate.	Fig.	Name.
278			<i>Solecardia</i> Conrad (n. g.)
279	xxxix	1	<i>eburnea</i> Conrad.
279	xxxix	2	<i>Petricoela sinuosa</i> Conrad.
279			<i>Pholadopsis</i> Conrad (n. g.)
279	xxxix	3	<i>pectinata</i> Conrad.
279	xxxix	4	<i>Parapholas bisulcata</i> Conrad.
279	xxxix	5	<i>Penitella Wilsoni</i> Conrad.
280	xxxix	6	<i>Triton perforatus</i> Conrad.
280	xxxix	7	<i>Oliva propatula</i> Conrad.

**Leidy.**—On the Situation of the Olfactory Sense in the Terrestrial Tribe of Gasteropodous Mollusca: by Dr. J. LEIDY. (In Journ. Acad. Nat. Sci. Phila., N. S., vol. i, pt. 1, p. 49. Dec. 1847.)

**Rafinesque.**—Podrome de 70 nouveaux genres d'Animaux découverts dans l'intérieur des Etats Unis d'Amérique, durant l'année 1818: par C. S. RAFINESQUE, Prof., etc. (Journal de Physique, de Chemie, d'Histoire Naturelle, et des Arts, etc.: par M. H-M, Ducrotay de Blainville. Tome 88, p. 417. Paris, Juin, 1819.)

Page.	Page.
423 <i>Pleurocera</i> Raf.	424 <i>Omphemis lacustris</i> Raf.
423 <i>Oxytrema</i> Raf.	424 <i>plaloxis</i> Raf.
423 <i>Campeloma</i> Raf.	424 <i>Lomastoma</i> Raf.
423 <i>crassula</i> Raf. Ohio river.	424 <i>terebrina</i> Raf.
423 <i>Omphaliscula</i> Raf.	424 <i>Eutrema</i> Raf.
423 <i>Espiophylla</i> Raf.	424 <i>terebroides</i> Raf.
424 <i>Leptoxis</i> Raf.	424 <i>Ellipstoma</i> Raf.
424 <i>Cyclemis</i> Raf.	424 <i>gibbosa</i> Raf.
424 <i>minutissima</i> Raf.	424 <i>vittata</i> Raf.
424 <i>olivacea</i> Raf.	424 <i>zonalis</i> Raf.
424 <i>Omphemis</i> Raf.	424 <i>marginata</i> Raf.

Page.		Page.	
425	<b>Odotropis</b> Raf.	425	<b>Toxotrema</b> Raf.
425	<b>Mesomphix</b> Raf.	425	<i>globularis</i> Raf.
425	<b>Triodopsis</b> Raf.	425	<i>complanata</i> Raf.
425	<b>Xolotrema</b> Raf.	425	<b>Stenotrema</b> Raf.
425	<i>lunula</i> Raf.	425	<i>convexa</i> Raf.
425	<i>triiodops</i> Raf.	425	<b>Aplodon</b> Raf.
425	<b>Chimotrema</b> Raf.	425	<i>nodosum</i> Raf.
425	<i>planiuscula</i> Raf.		

[Descriptions of fossil univalves here follow.—W. G. B.]

Subgenera of <b>Unio</b> —		Subgenera of <b>Unio</b> —	
426	<b>Proptera</b> Raf.	426	<b>Obovaria</b> Raf.
426	<i>alata</i> Raf.	426	<i>obovalis</i> Raf.
426	<i>phaledra</i> Raf.	426	<i>subrotunda</i> Raf.
426	<i>pallida</i> Raf.	427	<i>syntoxis</i> Raf.
426	<b>Eurynea</b> Raf.	427	<i>retusa</i> Raf.
426	<i>latissima</i> Raf.	427	<i>crassa</i> Raf.
426	<i>dilatata</i> Raf.	427	<i>torsa</i> Raf.
426	<i>solenoides</i> Raf.	427	<b>Truncilla</b> Raf.
426	<b>Elliptio</b> Raf.	427	<i>triquetra</i> Raf.
426	<b>Plagiola</b> Raf.	427	<i>truncata</i> Raf.
426	<i>verrucosa</i> Raf.	427	<b>Amblema</b> Raf.
426	<i>fasciolaris</i> Raf.	427	<i>ovalis</i> Raf.
426	<i>leptodon</i> Raf.	427	<b>Pleurorema</b> Raf.
426	<i>depressa</i> Raf.	427	<i>mytiloides</i> Raf.
426	<i>flava</i> Raf.	427	<i>conica</i> Raf.
426	<i>obliquata</i> Raf.		

[Descriptions of fossil bivalves.—W. G. B.]

428 **Noletrema patelloides** Raf.      Ohio.

[Other fossil shells.]

**Girard.**—Catalogue of Recent Shells and other Mollusca found in the District of Columbia, prepared from specimens in the Cabinet of Dr. E. Foreman: by CHARLES GIRARD. (Proceedings of National Institute, Washington, vol. i, No. 2. March, 1856.)

[Bryozoa are omitted.—W. G. B.]

Page.		Page.	
79	<b>Cyclas similis</b> Say.	79	<b>Pisidium dubium</b> Say.
79	<i>rhomboides</i> Say.	79	<i>variabile</i> Prime.
79	<i>partumeia</i> Say.	79	<b>Unio cariosus</b> Say.
79	<i>solidula</i> Prime.	79	<i>ochraceus</i> Say.

Page.		Page.	
79	<i>Unio nasutus Say.</i>	81	<i>Pupa contracta Say.</i>
79	<i>Fisherianus Lea.</i>	81	<i>pentodon Binn.</i>
79	<i>complanatus Sol.</i>	81	<i>procera Gould.</i>
79	<i>radiatus Lam.</i>	81	<i>rupicola Say.</i>
79	<i>heterodon Lea.</i>	81	<i>Vertigo milium Gould.</i>
79	<i>Alasmodonta marginata Say.</i>	81	<i>ovata Say.</i>
79	<i>undulata Say.</i>	81	<i>Carychium exiguum Gould.</i>
79	<i>Anodonta cataraeta Say.</i>	81	<i>Anocylus fuscus Adams.</i>
79	<i>implicata Say.</i>	81	<i>rivularis Say.</i>
79	<i>areolata Swains.</i>	81	<i>tardus Say.</i>
80	<i>Tebennophorus Carolinen-</i>	81	<i>Lymnea columella Say.</i>
	<i>sis Binn.</i>	81	<i>desidiosa Say.</i>
80	<i>Limax agrestis Mull.</i>	81	<i>caperata Say.</i>
80	<i>Helix albolabris Say.</i>	81	<i>macrostoma Say.</i>
80	<i>alternata Say.</i>	81	<i>modicellus Say.</i>
80	<i>arborea Say.</i>	81	<i>humilis Say.</i>
80	<i>ohersina Say.</i>	82	<i>Physa ancillaria Say.</i>
80	<i>concava Say.</i>	82	<i>elongata Say.</i>
80	<i>electrina Gould.</i>	82	<i>fragilis Migh. &amp; Ad.</i>
80	<i>fraterna Say.</i>	82	<i>heterostropha Say.</i>
80	<i>fuliginosa Grif.</i>	82	<i>Planorbis bicarinatus Say.</i>
80	<i>gularis Say.</i>	82	<i>deflectus Say.</i>
80	<i>hirsuta Say.</i>	82	<i>exacutus Gould.</i>
80	<i>inflecta Say.</i>	82	<i>hirsutus Gould.</i>
80	<i>indentata Say.</i>	82	<i>parvus Say.</i>
80	<i>labyrinthica Say.</i>	82	<i>trivolvus Say.</i>
80	<i>ligera Say.</i>	82	<i>Melania multilineata Say.</i>
80	<i>lineata Say.</i>	82	<i>virginica Say.</i>
80	<i>pulchella Gould.</i>	82	<i>Anculosa carinata Say.</i>
80	<i>minuscula Binn.</i>	82	<i>monodonta Say.</i>
80	<i>suppressa Say.</i>	82	<i>Paludina decisa Say.</i>
80	<i>thyroidus Say.</i>	82	<i>subcarinata Say.</i>
80	<i>tridentata Say.</i>	82	<i>Amnicola lapidaria Say.</i>
81	<i>Succinea avara Say.</i>	82	<i>decisa Hald.</i>
81	<i>campestris Say.</i>	82	<i>porata Say.</i>
81	<i>ovalis Gould.</i>	82	—— (n. s.)
81	<i>obliqua Say.</i>	82	—— (n. s.)
81	<i>Bulimus fallax Gould.</i>	82	<i>Valvata pupoidea Gould.</i>
81	<i>lubricus Gould.</i>	82	<i>tricarinata Say.</i>
81	<i>Pupa armifera Say.</i>		



**Currier.**—List of Shells collected in the Grand River (Mich.)  
Valley: by A. O. CURRIER.

[No date; said to have been published in 1859. No descriptions are given.—W. G. B.]

**Unio alatus** *Say.*

- asperrimus** *Lea.*  
**crassus** *Say.*  
**cornutus** *Barnes.*  
**coccineus** *Hildreth.*  
**elegans** *Lea.*  
**ellipsis** *Lea.*  
**gibbosus** *Barnes.*  
**gracilis** *Barnes.*  
**iris** *Lea.*  
**lævissimus** *Lea.*  
**luteolus** *Lam.*  
**Novi-Eboraci** *Lea.*  
**occidens** *Lea.*  
**plicatus** *Barnes.*  
**præsinus** *Conrad.*  
**rectus** *Lam.*  
**ruginosa** *Lea.*  
**spatulata** *Lea.*  
**subovatus** *Say.*  
**tenulinus** *Lea.*  
**trigonus** *Lea.*  
**triangularis** *Barnes.*  
**verrucosus** *Barnes.*  
**ventricosus** *Barnes.*  
**Alasmodon deltoides** *Lea.*  
**rugosa** *Barnes.*  
**marginata** *Say.*  
**Anodon Benedictii** *Lea.*  
**Buchanensis** *Lea.*  
**edentula** *Say.*  
**Ferussaciana** *Lea.*  
**Footiana** *Lea.*  
**ovata** *Lea.*  
**pallida** *Anthony.*  
**Pepliniana** *Lea.*  
**plana** *Lea.*  
**Shæfforiana** *Lea.*  
**salmonia** *Lea.*  
**Cyclos similis** *Say.*

**Cyclos sulcata** *Lam.*

- striatina** *Lam.*  
**occidentalis** *Prime.*  
**partumeia** *Say.*  
**distorta** *Prime.*  
**Pisidium compressum** *Prime.*  
**additum** *Hald.*  
**ventricosum** *Prime.*  
**dubium** *Say.*  
**Paludina decisa** *Say.*  
——?  
**integra** *Say.*  
**isogona** *Say.*  
**rufa** *Hald.*  
**Amnicola grana** *Say.*  
**pallida** *Hald.*  
**lapidaria** *Say.*  
**Valvata tricarinata** *Say.*  
**Malania neglecta** *Anthony.*  
**pulchella** *Anthony.*  
**niagerensis** *Lea.*  
**livescens** *Menka.*  
**Ancylus fusca** *Adams.*  
**parallelus** *Hald.*  
**Lymnea appressa** *Say.*  
**umbrosa** *Say.*  
**columella** *Say.*  
**desidiosa** *Say.*  
**modicellus?** *Gould.*  
**gracilis** *Jay.*  
**elodes** *Say.*  
**reflexa** *Hald.*  
**umbilicata** *Adams.*  
**pallida** *Adams.*  
**Physa Hildrethiana** *Lea.*  
**heterostropha** *Say.*  
**elongata** *Say.*  
**vinosa** *Gould.*  
**Planorbis armigera** *Say.*  
**bicarlinatus** *Say.*

<b>Planorbis campanulatus</b> <i>Say.</i>	<b>Helix monodon</b> <i>Rackett.</i>
<i>executus</i> <i>Say.</i>	<i>multilineata</i> <i>Say.</i>
<i>parvus</i> <i>Say.</i>	<i>palliata</i> <i>Say.</i>
<i>trivolvis</i> <i>Say.</i>	<i>perspectiva</i> <i>Say.</i>
<b>Helix albolabris</b> <i>Say.</i>	<i>profunda.</i>
<i>alternata</i> <i>Say.</i>	<i>solitaria</i> <i>Say.</i>
<i>arboria</i> <i>Say.</i>	<i>striatella</i> <i>Anthony.</i>
<i>chersina</i> <i>Say.</i>	<i>thyroides</i> <i>Say.</i>
<i>concava</i> <i>Say.</i>	<i>tridentata</i> <i>Say.</i>
<i>clausa</i> <i>Say.</i>	<b>Eucoinea obliqua</b> <i>Say.</i>
<i>electrina</i> <i>Say.</i>	<i>avara</i> <i>Say.</i>
<i>fallax</i> <i>Say.</i>	<i>ovalis</i> <i>Gould.</i>
<i>fraterna</i> <i>Say.</i>	<i>vermetus</i> <i>Say.</i>
<i>fuliginosa</i> <i>Binney.</i>	<b>Bullimus fallax</b> <i>Gould.</i>
<i>hirsuta</i> <i>Say.</i>	<b>Pupa contracta</b> <i>Say.</i>
<i>hydrophila</i> <i>Ingalls.</i>	<i>armifera</i> <i>Say.</i>
<i>indentata</i> <i>Say.</i>	<i>pentodon</i> <i>Say.</i>
<i>ligeri</i> <i>Say.</i>	<b>Caryohium exiguum</b> <i>Say.</i>
<i>labyrinthica</i> <i>Say.</i>	<b>Vertigo simplex</b> <i>Gould.</i>
<i>limatula</i> <i>Ward.</i>	<i>Gouldii</i> <i>Binney.</i>
<i>lineata</i> <i>Say.</i>	<b>Achatina lubrica</b> <i>Müller.</i>
<i>minuscula</i> <i>Binney</i>	

**Hildreth.**—Catalogue of Fresh-water Shells found near Marietta, Ohio: by S. P. HILDRETH.

[No date, paging, or descriptions.—W. G. B.]

<b>Alasmodonta complanata</b> <i>Bar.</i>	<b>Unio irroratus</b> <i>Lea.</i>
<b>Unio plicatus</b> <i>Say.</i>	<i>cylindricus</i> <i>Say.</i>
<i>ellipticus</i> <i>Barnes.</i>	<i>torsus</i> <i>Raf.</i>
<i>siliquoides</i> <i>Barnes.</i>	<i>pyramidatus</i> <i>Lea.</i>
<i>anodontoides</i> <i>Lea.</i>	<i>undatus</i> <i>Barnes.</i>
<i>rectus</i> <i>Lam.</i>	<i>mytilloides</i> <i>Raf.</i>
<i>ovatus</i> <i>Say.</i>	<i>trigonus</i> <i>Lea.</i>
<i>alatus</i> <i>Say.</i>	<i>scalenius</i> <i>Raf.</i>
<b>Alasmodonta rugosa</b> <i>Barnes.</i>	<i>cuneatus</i> <i>Barnes.</i>
<b>Cyclas similis</b> <i>Say.</i>	<i>niger</i> <i>Raf.</i>
<b>Unio heros</b> <i>Say.</i>	<i>phaseolus</i> <i>Hildreth.</i>
<i>tuberculatus</i> <i>Barnes.</i>	<i>ellipsis</i> <i>Lea.</i>
<i>verrucosus</i> <i>Barnes.</i>	<i>foliatus</i> <i>Hildreth.</i>
<i>pustulatus</i> <i>Lea.</i>	<i>securis</i> <i>Lea.</i>
<i>pustulosus</i> <i>Lea.</i>	<i>abruptus</i> <i>Say.</i>
<i>metanevrus</i> <i>Raf.</i>	<i>gibbosus</i> <i>Barnes.</i>
<i>cornutus</i> <i>Barnes.</i>	<i>elegans</i> <i>Lea.</i>
<i>rugosus</i> <i>Barnes.</i>	<i>multiradiatus</i> <i>Lea.</i>
<i>perplexus</i> <i>Lea.</i>	<i>planus</i> <i>Barnes.</i>

**Unio monodontus** *Barnes.*

- occidens* *Lea.*  
*gracillis* *Barnes.*  
*lævissimus* *Lea.*

**Alasmodonta marginata** *Say.***Anodonta Ohioensis** *Say.*

- areola* *Say.*  
*undulata* *Say.*  
*cataracta* *Say.*

**Unio compressus** *Lea.*

- ventricosus* *Barnes.*  
*plicatus* *Say.*  
*siliquoideus* *Barnes.*  
*perplexus* *Lea.*  
*phaseolus* *Hildreth.*  
*sulcatus* *Lea.*

**Unio ridibundus** *Say.*

- politus* *Say.*  
*subrotundus* *Raf.*  
*parvus* *Barnes.*  
*zig-zag* *Lea.*  
*triangularis* *Barnes.*  
*dehiscens* *Say.*  
*pileus* *Lea.*  
*iris* *Lea.*  
*parvus* *Barnes.*  
*glans* *Lea.*  
*lapillus* *Say.*  
*calceolus* *Lea.*  
*plicatus.*  
*alatus.*

**Conrad.**—Observations on the Tertiary and more Recent Formations of the Southern States: by T. A. CONRAD. (From Journ. Acad. Nat. Sci. Phila., o. s., vol. vii, pt. 1. 1834.)

The following pliocene species are said to be found recent on the coast:—

Page.		Page.	
124	<b>Aroa transversa.</b>	125	<b>Lucina divaricata</b> <i>Lam.</i>
124	<b>Cytherea Sayana.</b>	125	<b>Crepidula convexa</b> <i>Say.</i>
	<i>C. convexa</i> <i>Say.</i>	125	<i>glauca</i> <i>Say.</i>
124	<b>Pholas costata</b> <i>Lam.</i>	125	<i>plana</i> <i>Say.</i>
124	<b>Ostrea Virginiana</b> <i>Gmel.</i>	125	<b>Fusus cinereus</b> <i>Say.</i>
124	<b>Solen ensis</b> <i>Linn.</i>	125	<b>Nassa trivittata</b> <i>Say.</i>
124	<b>Saxicava rugosa</b> <i>Lam.</i>	125	<i>lunata</i> <i>Say.</i>
124	<b>Venus mercenaria</b> <i>Lam.</i>	125	<b>Natica duplicata</b> <i>Say.</i>
124	<b>Panopea reflexa</b> <i>Say</i> = <b>P.</b>	125	<i>heros</i> <i>Say.</i>
	<b>Faujasii?</b>	125	<b>Fulgur carica</b> <i>Say.</i>
125	<b>Maetra tellinoides</b> <i>Conr.</i>	125	<i>canaliculatus</i> <i>Say.</i>
125	<b>Pandora trilineata</b> <i>Say.</i>	125	<b>Scalaria clathrus</b> <i>Lam.</i>
125	<b>Cardita tridentata</b> <i>Say.</i>	125	<b>Vermetus lumbricallis</b> <i>Lam.</i>
125	<b>Lucina contracta</b> <i>Say.</i>	125	<b>Rangia cyrenoides.</b>
125	<i>oreniata</i> <i>Conr.</i>		<i>Clathradon cuneata.</i>

(Appendix to same.)

153	<b>Amphidesma inaequale</b> <i>Say.</i>	153	<b>Corbula contracta</b> <i>Say.</i>
153	<b>Arthemis concentrica.</b>	153	<b>Olivva litterata</b> <i>Lam.</i>
153	<b>Anomia ephippium</b> <i>Linn.</i>	153	<i>zonalis</i> <i>Lam.</i>
153	<b>Cytherea gigantea</b> <i>Lam.</i>	153	<b>Pecten magellanicus.</b>
153	<b>Lutraria canaliculata</b> <i>Say.</i>	153	<b>Cerithium dialocatum.</b>
153	<b>Maetra lateralis</b> <i>Say.</i>		

**Haldeman.**—*Leptoxis*: par M. STEHMAN HALDEMAN. (From Illustrations Conchyliologiques, par M. Chenu, liv. 73.)

Pa. Pl.	Fig.	Name.	Locality.
2 i	1-18	<b><i>Leptoxis prærosa</i> Say.</b> <i>Anculosa prærosa</i> Say. <i>Melanopsis neritiformis</i> Desh. <i>Anculotus prærosus</i> Conrad. <i>Melania cruentata</i> Menke. <i>Cincinnatiensis</i> Lea. <i>Anculotus angulatus</i> Conrad. <i>Leptoxis retusa</i> Raf.?	Ohio, Ind., Ky., Ten., Ala.
2 i	19-23	<b><i>crassa</i> Hald.</b>	Clinch river, Tenn.
2 i	24-26	<b><i>incisa</i> Lea.</b> <i>Anculosa incisa</i> Lea.	Alabama.
2 i, ii	27-34	<b><i>obovata</i> Say.</b> <i>Melania obovata</i> Say. <i>Hildrethiana</i> Lea.	Ohio river.
3 ii	35-39	<b><i>plicata</i> Conrad.</b> <i>Anculotus plicatus</i> Conrad. <i>Anculosa tuberculata</i> Lea.	Tenn. & Ala. rivers.
3 ii	40-58	<b><i>subglobosa</i> Say.</b> <i>Melania globula</i> Lea. <i>virgata</i> Lea. <i>Anculosa gibbosa</i> Lea. <i>subglobosus</i> Conrad.	Holston river, Tenn.
3 ii, iii	59-70	<b><i>rubiginosa</i> Lea.</b> <i>Anculosa rubiginosa</i> Lea. <i>Griffithiana</i> Lea.	Warrior and Coosa rivers, Ala.
3 iii	71-73	<b><i>taeniata</i> Conrad.</b> <i>Anculosa taeniata</i> Conrad.	Claiborne.
3 iii	74-80	<b><i>piota</i> Conrad.</b> <i>Anculosa flammata</i> Lea. <i>Foremani</i> Lea?	Alabama.
4 iii	81	<b><i>Troostiana</i> Lea.</b> <i>Anculosa Troostiana</i> Lea.	Tennessee river.
4 iii	82	<b><i>plisum</i> Hald.</b>	Tennessee river.
4 iii, iv	83-84	<b><i>fusca</i> Hald.</b>	Oregon.
4	85-101	<b><i>dissimilis</i> Say.</b> <i>Paludina dissimilis</i> Say. <i>Helix subcarinata</i> Wood. <i>Anculosa nigrescens</i> Conrad.	Pa., Va., &c.
4 iv	102-109	<b><i>variabilis</i> Lea.</b> <i>Anculosa variabilis</i> Lea. <i>carinata</i> Lea. <i>Melania Nickliniana</i> Lea?	Roanoke, Va.

Pa. Pl.	Fig.	Name.	Locality.
4 iv	110	<b>Leptoxis littorina</b> Hald. <i>Anculosa littorina</i> Hald. <i>Melania pilula</i> Lea.	Holston river, Va.
4 iv	111-120	<b>dilatata</b> Conrad. <i>Melania dilatata</i> Conrad. <i>Rogersii</i> Conrad. <i>inflata</i> Lea. <i>Anculotus Kirtlandianus</i> Anth. <i>carinatus</i> Conrad.	Kanawha river, Va.
5 iv	124-133	<b>monodontooides</b> Conrad. <i>Anculosa monodontooides</i> Conrad. <i>dentatus</i> Couth.	Virginia.
5 v	134-144	<b>trilineata</b> Say. <i>Melania trilineata</i> Say. <i>Anculotus costatus</i> Anthony. <i>Melania viridis</i> Lea. <i>occidentalis</i> Lea.	Ohio river.
5 v	145-146	<b>melanoides</b> Conrad.	Alabama.
5 v	147-150	<b>virens</b> Lea. <i>Paludina virens</i> Lea. <i>nuclea</i> Lea?	Wahlamat.
5 v	151	<b>turgida</b> Hald.	Alabama.
5 v	152	<b>altilla</b> Lea.	Susquehanna river.
6 v	153	<b>oremata</b> Hald.	Santee canal, S. C.
6 v	154	<b>integra</b> Say. <i>Melania integra</i> Say. <i>Anculotus pumilus</i> Conrad.	Ohio river.
6 v	155	<b>isogona</b> Say. <i>Melania isogona</i> Say. <i>Paludina pallida</i> Lea. <i>Ammicola isogona</i> Lea. <i>Mudalia isogona</i> Hald.	Ohio, Ky., Ind.
6 v	156	? <b>Nuttalliana</b> Lea. <i>Paludina Nuttalliana</i> L. <i>seminalis</i> Hinds?	Wahlamat creek.

**Haldeman.**—Mollusca: by S. S. HALDEMAN. (In Rupp's History of Lancaster County, p. 479. Lancaster, Pa., 1844.)

Page.	Page.
479 <b>Melania virginica.</b>	480 <b>Ammicola limosa.</b>
479 <b>Anculosa dissimilis.</b>	480 <b>lustrica.</b>
480 <b>Paludina decisa.</b>	480 <b>granum.</b>
480 _____	480 <b>Valvata tricarinata.</b>

Page.		Page.	
480	<i>Physa heterostropha.</i>	482	<i>Helix fuliginosa.</i>
480	<i>Limnea palustris.</i>	482	<i>hirsuta.</i>
	<i>L. clodes.</i>	482	<i>pulchella.</i>
480	<i>desidiosa.</i>	482	<i>indentata.</i>
480	<i>asperata.</i>	482	<i>electrina.</i>
480	<i>humilis.</i>	482	<i>labyrinthica.</i>
481	<i>Planorbis bicarinatus.</i>	482	<i>Succinea obliqua.</i>
481	<i>parvus.</i>	482	<i>Unio cariosus.</i>
481	<i>Ancylus rivularis.</i>	482	<i>radiatus.</i>
481	<i>Helix albolabris.</i>	482	<i>complanatus.</i>
481	<i>thyroides.</i>	482	<i>viridis.</i>
481	<i>tridentata.</i>	482	<i>Alasmodon undulatus.</i>
481	<i>concava.</i>	482	<i>marginatus.</i>
481	<i>alternata.</i>	482	<i>Anodon cataractus.</i>
481	<i>hirsuta.</i>	482	<i>undulatus.</i>
482	<i>palliata.</i>		

**Taylor.**—Notice of occurrence of Green-gilled Oysters: by W. J. TAYLOR. (From Amer. Journ. Sci., n. s., vol. xxv, p. 294. March, 1858.)

**Gould.**—Catalogue of Maine Shells: by Dr. A. A. GOULD. (In First Report on the Geology of the State of Maine, by Charles F. Jackson, M. D., p. 119. Augusta, 1837.)

Page.		Page.	
119	<i>Solen ensis L.</i>	119	<i>Alasmodonta margaritifera</i>
119	<i>Solecurtus costatus Say.</i>	119	<i>undulata Say. [Gmel.]</i>
119	<i>Glycimeris siliqua Lam.</i>	119	<i>Anodonta marginata Say.</i>
119	<i>Mya mercenaria Linn.</i>	119	<i>Modiola papuana Lam.</i>
119	<i>truncata.</i>	119	<i>plicatula Lam.</i>
119	<i>hyalina Conr.</i>	119	<i>Mytilus edulis Linn.</i>
119	<i>Anatina Leana Conr.</i>	119	<i>pellucidus Penn.</i>
119	<i>Maetra gigantea Lam.</i>	119	<i>Pecten Magellanicus Lam.</i>
119	<i>Solemya velum Say.</i>	119	<i>Islandicus Lam.</i>
119	<i>Saxicava distorta Say.</i>	119	<i>Ostrea Canadensis Lam.</i>
119	<i>Sanguinolaria fusca Conr.</i>	119	<i>Anomia ephippium.</i>
119	<i>Crassina Danmoniensis</i>	119	<i>Terebratula ———.</i>
	<i>Astarte castanea Say. [Lam.]</i>	119	<i>Chiton ———.</i>
119	<i>Cyprina Islandica Lam.</i>	119	<i>Patella amœna Say.</i>
119	<i>Cardium Icelandicum.</i>	119	<i>Crepidula fornicata Say.</i>
119	<i>Grœnlandicum.</i>	119	<i>plana Say.</i>
119	<i>Unio complanatus Sol.</i>	119	<i>Helix albolabris Say.</i>

Page.	Page.
119 <i>Helix thyroidus</i> Say.	119 <i>Turbo palliatus</i> Say.
119 <i>alternata</i> Say.	119 <i>vestitus</i> Say.
119 <i>Planorbis trivolvis</i> Say.	119 <i>Fusus corneus</i> Say.
119 <i>campanulatus</i> Say.	119 <i>decemcostatus</i> Say.
119 <i>Physa heterostropha</i> Say.	119 <i>Islandicus</i> Martini.
119 <i>Lymnaea columella</i> Say.	119 <i>Purpura lapillus</i> Lam.
119 <i>Paludina decisa</i> Say.	119 <i>Buccinum undatum</i> Linn.
119 <i>Natica heros</i> Say.	119 <i>Nassa obsoleta</i> Say.
119 <i>triseriata</i> Say.	119 <i>trivittata</i> Say.

**Pourtales.**—Notes on Specimens of the Bottom of the Ocean brought up in recent Explorations of the Gulf Stream, in connection with the Coast Survey: by L. F. POURTALES, Assistant. (From Proc. Amer. Assoc. Advanc. Sci., for 1853, page 181. Cambridge, 1856.)

Page.	Name.	Locality.
183	<i>Spiralis Gouldii</i> .	Lat. 30° 50'; long. 78° 49'.

[This is the only specific name of Mollusca given.—W. G. B.]

**Thomas.**—Indications of Weather as, shown in Animals and Plants: by W. H. B. THOMAS, of Philadelphia. (From same as last, p. 119.) Notes on—

Page.	Page.
120 <i>Helix alternata</i> .	120 <i>Helix thyroidus</i> .
120 <i>arborea</i> .	121 <i>solitaria</i> .
120 <i>indentata</i> .	121 <i>zaleta</i> .
120 <i>Ruderati</i> .	121 <i>albolabris</i> .
120 <i>minuta</i> .	121 <i>thyroidus</i> .
120 <i>clausa</i> .	121 <i>appressa</i> .
120 <i>ligera</i> .	121 <i>tridentata</i> .
120 <i>Pennsylvanica</i> .	121 <i>fallax</i> .
120 <i>elevata</i> .	121 <i>psiliata</i> .
120 <i>solitaria</i> .	121 <i>hirsuta</i> .
120 <i>zaleta</i> .	

**Dr. J. P. Kirtland.**—(Silliman's Journal, o. s., vol. xxxi, No. 1, p. 200. January, 1837.) Notes on—

Page.	Page.
200 <i>Helix fuliginosa</i> .	200 <i>Helix glaphyra</i> .

**Conrad.**—Descriptions of fifteen new species of Recent, and three of Fossil Shells, chiefly from the Coast of the United States: by TIMOTHY A. CONRAD, Member &c. (From Journ. Acad. Nat. Sci. of Philadelphia, vol. vi, p. 256. March, 1831.)

Page.	Pl.	Fig.	Name.	Locality.
257			<b>Maetra solidissima</b> Chemn. <i>M. solida</i> (var. $\beta$ ) Gmelin. <i>procera</i> Solander. <i>grandis</i> Solander. <i>stultorum</i> Solander. <i>gigantea</i> Lam. <i>similis</i> Say.	
257	xi	1	<i>arctata</i> Conrad.	Mass. to Florida.
258	xi	2-3	<i>tellinoides</i> Conrad.	Northern coast.
258	xi	4	<i>nucleus</i> Conrad.	New Jersey.
258			<b>Cardium laqueatum</b> Conr. (fossil).	Maryland.
259	xi	5-7	<b>Mortoni</b> Conrad.	Northern coast.
260	xi	8	<i>pinnulatum</i> Conrad.	Massachusetts.
260			<b>Pecten Pealei</b> Conrad.	Maine.
261	xi	12	<i>Mya hyalina</i> Conrad.	Northern coast.
261			<b>Cytherea convexa</b> Say.	Rhode Island.
263	xi	11	<i>Anatina Leana</i> Conrad.	Northern coast.
263	xi	13	<b>Mytilus leucophæatus</b> Conrad.	Southern coast.
264			<b>Arca maxillata</b> Conrad (fossil).	Maryland.
264	xi	14-15	<b>Venus alveata</b> Conrad. <i>V. paphia</i> Linn.	Maryland.
265			<b>Pecten Magellanicus.</b>	Maine.
266	xi	17-18	<b>Velutina rupicola</b> Conrad.	Massachusetts.
266	xi	19	<b>Lacuna pertusa</b> Conrad.	Massachusetts.
267	xi	20	<b>Patella alveus</b> Conrad.	Massachusetts.

**Conrad, Case, &c.**—In the new series of the American Journal of Science and Art, occur the following:—

Vol.	Page.	Name.	Locality.
		<b>Conrad.</b> —Catalogue of Recent Shells found also in the Miocene: by T. A. CONRAD. [No descriptions.]	
May,	1846.		
i	404	<b>Artemis acetabulum</b> Conrad.	Florida.
i	404	<i>elegans</i> Conrad.	Florida.
i	404	<b>Astarte lunulata</b> Conrad.	Charleston.
i	404	<b>Arca improcera</b> Conrad.	Southern coast.
i	404	<b>Anomia ephippium</b> Linn.	
i	404	<b>Amphidesma æquale</b> Say.	Southern coast.



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i	404	<b>Cardita tridentata</b> <i>Say.</i>	Southern coast.
i	404	<i>granulata</i> <i>Say.</i>	Southern coast.
i	404	<b>Chama arcinella</b> <i>Lam.</i>	Southern coast.
i	404	<b>Cumingia tellinoides</b> <i>Conrad.</i>	Southern coast & Mass.
i	404	<b>Cultellus Carribæus.</b>	S'n coast, Mass., N. J.
i	404	<b>Cytherea elevata</b> <i>Conrad.</i>	Gulf of Mexico.
i	404	<i>Sayana</i> <i>Conrad.</i>	Rh. Island, Mass., N. J.
i	404	<b>Lucina crenulata</b> <i>Conrad.</i>	Cape Henry, Va.
i	404	<i>divaricata</i> <i>Lam.</i>	Atlantic coast.
i	404	<i>trisolcata</i> <i>Conrad.</i>	Florida.
i	404	<i>radula</i> <i>Lam.</i>	Rhode Island & Mass.
i	404	<i>squamosa</i> <i>Lam.</i>	Southern coast.
i	404	<b>Mactra lateralis</b> <i>Say.</i>	Atlantic coast.
i	404	<b>Nucula acuta</b> <i>Say.</i>	
i	404	<i>proxima</i> <i>Say.</i>	Atlantic coast.
i	404	<i>limatula</i> <i>Say.</i>	Massachusetts.
i	404	<i>acuta</i> <i>Conrad.</i>	Gulf of Mexico.
i	404	<b>Pecten concentricus</b> <i>Say.</i>	Atlantic coast.
i	404	<b>Tellina lusoria</b> <i>Say.</i>	Southern coast.
i	404	<b>Venus lanceata</b> <i>Say.</i>	Southern coast.
i	404	<i>mercenaria</i> <i>L.</i>	Atlantic coast.
i	404	<i>metastriata</i> <i>Say.</i>	Florida.
i	405	<b>Cerithium clavulus</b> <i>H. C. Lea.</i>	Tampa Bay.
i	405	<i>dislocatum</i> <i>Say.</i>	Southern coast.
i	405	<b>Dentalium coarctatum</b> <i>Lam.</i>	Gulf of Mexico.
i	405	<b>Crepidula unguiformis.</b>	Atlantic coast.
i	405	<i>fornicata</i> <i>Lam.?</i>	Atlantic coast.
i	405	<i>convexa</i> <i>Say.?</i>	Atlantic coast.
i	405	<b>Fulgur carica?</b>	Southern coast.
i	405	<i>canaliculatus.</i>	Atlantic coast.
i	405	<b>Natica heros</b> <i>Say.</i>	Atlantic coast.
i	405	<i>duplicata</i> <i>Say.</i>	Atlantic coast.
i	405	<i>caurena</i> <i>Lam.</i>	Florida.
i	405	<b>Nassa trivittata</b> <i>Say.</i>	Atlantic coast.
i	405	<i>obsoleta</i> <i>Say.</i>	Atlantic coast.
i	405	<i>lunata</i> <i>Say.</i>	Atlantic coast.
i	405	<b>Oliva litterata</b> <i>Lam.</i>	Florida.
i	405	<i>zonalis</i> <i>Lam.</i>	Florida.
<b>Conrad.</b> —Notices of Fresh-water Shells, &c., of Rock-bridge County, Va.: by T. A. CONRAD.			
i	407	<b>Unio collinus</b> <i>Conrad.</i>	
i	407	<i>purpureus</i> <i>Say.</i>	
i	407	<i>constrictus</i> <i>Conrad.</i>	
i	407	<i>subplanus</i> <i>Conrad.</i>	
i	407	<i>lanceolatus</i> <i>Lea.</i>	
i	407	<b>Alasmodonta undulata</b> <i>Say.</i>	
i	407	<i>marginata</i> <i>Say.</i>	
i	407	<b>Anodon cataracta</b> <i>Say.</i>	
i	407	<i>marginata</i> <i>Say.?</i>	
i	407	<b>Planorbis parvus</b> <i>Say.</i>	
i	407	<b>Ancylus rivularis</b> <i>Say.</i>	
i	407	<b>Paludina decisa</b> <i>Say.</i>	
i	407	<b>Anculosa dilatata</b> <i>Conrad.</i>	
i	407	<b>Melania virginica</b> <i>Say.</i>	

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Vol.	Page.	Name.	Locality.
Nov.	1846.	<b>Conrad.</b> —Observations on the Geology of a part of East Florida, with a Catalogue of Recent Shells of the Coast: by T. A. CONRAD.	
ii	36		
ii	38	<i>Unio Blandingianus</i> Lea = <b>Caro-</b> <b>linensis</b> Bosc.	Savannah river.
ii	38	<i>subinflatus</i> Conrad.	Savannah river.
ii	38	<b>Shepardianus</b> Lea.	Savannah river.
ii	39	<i>Ostrea Virginiana</i> .	Near mouth St. John's r.
ii	39	<i>Mytilus edulis</i> .	Near mouth St. John's r.
ii	39	<i>cubitus</i> Say.	Near mouth St. John's r.
ii	39	<i>Tellina lateralis</i> Say.	Near mouth St. John's r.
ii	39	<i>Amphidesma equalis</i> Say.	Near mouth St. John's r.
ii	39	<i>Macra lateralis</i> Say.	Near mouth St. John's r.
ii	39	<i>Solecortus caribæus</i> .	Near mouth St. John's r.
ii	39	<i>Arca pexata</i> Say.	Near mouth St. John's r.
ii	39	<i>incongrua</i> Say.	Near mouth St. John's r.
ii	39	<i>ponderosa</i> Say.	Near mouth St. John's r.
ii	39	<i>Donax variabilis</i> Say.	Near mouth St. John's r.
ii	39	<i>Cardium magnum</i> .	Near mouth St. John's r.
ii	39	<i>Lucina divaricata</i> .	Near mouth St. John's r.
ii	39	<i>Petricola dactylus</i> .	Near mouth St. John's r.
ii	39	<i>Ranella caudata</i> Say.	Near mouth St. John's r.
ii	39	<i>Cryptostoma perspectiva</i> Say.	Near mouth St. John's r.
ii	39	<i>Crepidula plana</i> Say.	Near mouth St. John's r.
ii	39	<i>Littorina irrorata</i> Say.	Near mouth St. John's r.
ii	39	<i>Oliva litterata</i> .	Near mouth St. John's r.
ii	39	<i>Fulgur carica</i> .	Near mouth St. John's r.
ii	39	<i>canaliculata</i> .	Near mouth St. John's r.
ii	39	<b>Natica duplicata?</b>	Near mouth St. John's r.
		All the above, except <i>Fulgur carica</i> and <i>Solecortus caribæus</i> , I subsequently found at Tampa bay.	
ii	39	<i>Tellina radiata</i> .	Fort Lauderdale.
ii	39	<i>Polygyra plicata</i> Say.	Key Biscayne.
ii	39	<b>Nerita peleronta</b> .	Indian Key.
ii	39	<i>tessellata</i> .	Indian Key.
ii	39	<i>versicolor</i> .	Indian Key.
ii	39	<i>pica</i> .	Indian Key.
ii	39	<i>Littorina muricata</i> .	Indian Key.
ii	40	<i>Succinea avara</i> Say.	Island near Indian Key.
ii	40	<i>Polygyra plicata</i> .	Island near Indian Key.
ii	40	<i>septemvolva</i> .	Island near Indian Key.
ii	40	<i>Achatina fasciata</i> .	Island near Indian Key.
ii	40	<i>Spirula Peronii</i> .	Island near Indian Key.
ii	40	<i>Ianthina fragilis</i> .	Island near Indian Key.
ii	40	<i>Carditomeria Floridana</i> .	Island near Indian Key.
ii	40	<i>Fasciolaria tulipa</i> .	Key West.
ii	40	<i>Nerita peleronta</i> .	Key West.
ii	40	<i>Fusus corona</i> .	Key West.
ii	41	<i>Strombus gigas</i> .	Key West.
ii	41	<i>Ninus cancellata</i> Lam.	Mullet Key.
ii	41	<i>Chama arcinella</i> .	Mullet Key.
ii	41	<i>Strombus pugillus</i> .	Mullet Key.
ii	41	<i>Natica canrena</i> .	Egmont Key.
ii	41	<b>Pecten dialocatus</b> .	Egmont Key.

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ii	42	<i>Modiola demissa.</i>	Tampa bay.
ii	42	<i>Cardium Mortoni.</i>	Tampa bay.
ii	42	<i>Osteodesma hyalina.</i>	Tampa bay.
ii	42	<i>Pecten concentricus.</i>	Tampa bay.
ii	42	<i>Anomia ephippium.</i>	Tampa bay.
ii	42	<i>Marginella conoidalis.</i>	Tampa bay.
ii	42	<i>Nassa vibex Say.</i>	Tampa bay.
ii	42	<i>Murex corona Linn.</i>	Tampa bay.
ii	42	<i>Fasciolaria trapezium.</i>	Tampa bay.
ii	42	<i>Fulgur perversus.</i>	Tampa bay.
ii	42	<i>pyrum.</i>	Tampa bay.
ii	42	<i>Venus Mortoni.</i>	Tampa bay.
ii	42	<i>Littorina angulifera.</i>	Tampa bay.
ii	45	<i>Neretina reclivata.</i>	Tampa bay.

Nov. 1846. **Conrad.**—Catalogue of Florida Shells, Tampa Bay, &c.:  
by T. A. CONRAD.

Vol.	Pa.	Name.	Vol.	Pa.	Name.
ii	393	<i>Amphidesma variegata</i>	ii	394	<i>Lucina squamosa Lam.</i>
ii	393	<i>radiata Say. [Lam.]</i>	ii	394	<i>tigrina Lam.</i>
ii	393	<i>orbiculata Say.</i>	ii	394	<i>Floridana Conr.</i>
ii	393	<i>æqualis Say.</i>	ii	394	<i>edentula Lam.</i>
ii	393	<i>zebra.</i>	ii	394	<i>trisulcata Conr.</i>
ii	393	<i>Artemis elegans Conr.</i>	ii	394	<i>Mactra ovalis?</i>
ii	393	<i>concentrica Lam.</i>	ii	394	<i>lateralis Say.</i>
ii	393	<i>Anomia ephippium Lin.</i>	ii	394	<i>fragilis Lam.</i>
ii	393	<i>Arca scapha?</i>	ii	394	<i>Modiola demissa Dillw.</i>
ii	393	<i>incongrua Say.</i>	ii	394	<i>lateralis Say.</i>
ii	393	<i>ponderosa Say.</i>	ii	394	<i>papyria Conr.</i>
ii	393	<i>Avicula ———.</i>	ii	394	<i>Americana.</i>
ii	393	<i>Astarte lunulata Conr.</i>			<i>M. tulipa Lam.</i>
ii	393	<i>flabella.</i>	ii	394	<i>Mytilus hamatus Say.</i>
ii	393	<i>Cardium citrinum Wood.</i>	ii	394	<i>cubitus Say.</i>
ii	393	<i>isocardia Lam.</i>	ii	394	<i>Meleagrina ———.</i>
ii	393	<i>magnum Born.</i>	ii	394	<i>Nucula acuta Conr.</i>
ii	393	<i>bullatum Lam.</i>	ii	394	<i>eborea Conr.</i>
ii	393	<i>Mortoni Conr. [Con.]</i>	ii	395	<i>Ostrea Virginiana Gmel.</i>
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		<i>Cypriocardia nodulosa</i>	ii	395	<i>Periploma inequalvis</i>
		<i>Mighels.</i>			<i>Lam.</i>
ii	394	<i>Cardita tridentata Say.</i>	ii	395	<i>Pecten concentricus S.</i>
ii	394	<i>Chama arcinella Lam.</i>	ii	395	<i>dislocatus Say.</i>
ii	394	<i>Cytherea gigantea Lam.</i>	ii	395	<i>Pinna ———.</i>
ii	394	<i>maculata Lam.</i>	ii	395	<i>Floridana Conr.</i>
ii	394	<i>Corbula limatula Conr.</i>	ii	395	<i>Plicatula ramosa Lam.</i>
ii	394	<i>Cyrena Carolinensis</i>	ii	395	<i>Solen ensis Linn.</i>
		<i>Bosc.</i>	ii	395	<i>Solecurtus fragilis Van.</i>
ii	394	<i>Floridana Conr.</i>	ii	395	<i>Tellina punicea Linn.</i>
ii	394	<i>Donax variabilis Say.</i>	ii	395	<i>acuta Wood.</i>
ii	394	—————.	ii	395	<i>lateralis Say.</i>
ii	394	—————.	ii	395	—————.
ii	394	<i>Lucina nassula Conr.</i>	ii	395	—————.
ii	394	<i>cribata Say.</i>	ii	395	<i>Venus cancellata Lam.</i>
ii	394	<i>Pennsylvanica Lam.</i>	ii	395	<i>punctulata Val.</i>

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ii	395	<b>Venus Mortoni</b> <i>Conr.</i>	ii	397	<b>Murex Tampaensis</b> <i>Conr.</i>
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ii	396	<b>Actæon Floridanus</b> <i>C.</i>			<i>Kiener.</i>
ii	396	<b>Bulla succinea</b> <i>Conr.</i>	ii	397	<b>succinea</b> <i>Conr.</i>
ii	396	—	ii	397	<b>albilabris</b> <i>Conr.</i>
ii	396	<b>Bullina canaliculata</b> <i>S.</i>	ii	397	<b>Monodonta</b> —
ii	396	<b>Cancellaria cancellata</b>	ii	397	<b>Melampus bidentatus</b>
		<i>Lam.</i>			<i>Say.</i>
ii	396	<b>Cerithium protextum</b> <i>C.</i>	ii	397	<b>Melongena (Fusus) co-</b>
ii	396	<b>septemstriatum</b> <i>S.</i>			<b>rona</b> <i>Lam.</i>
ii	396	<b>ericense</b> <i>Kiener.</i>	ii	397	<b>Natica duplicata</b> <i>Say?</i>
		<i>C. nigrescens</i> <i>Mke.?</i>	ii	397	<b>canrena</b> <i>Lam.</i>
ii	396	<b>dislocatum</b> <i>Say.</i>	ii	397	<b>Neritina (Theodoxus)</b>
ii	396	—			<b>reclivata</b> <i>Say.</i>
ii	396	—	ii	397	<b>Oliva litterata</b> <i>Lam.</i>
ii	396	— [Lam.]	ii	397	<b>mutica</b> <i>Lam.</i>
ii	396	<b>Crepidula fornicata</b>	ii	398	<b>Ovulum aciculare</b> <i>Lam.</i>
ii	396	<b>maculosa</b> <i>Conr.</i>	ii	398	<b>Patella</b> —
ii	396	<b>aculeata</b> <i>Lam.</i>	ii	398	<b>Pleurotoma</b> —
ii	396	<b>unguiformis</b> <i>Lam.</i>	ii	398	—
		<i>C. plana</i> <i>Say.</i>	ii	398	<b>Pollia tinctoria</b> <i>Conr.</i>
ii	396	<b>Cypræa pediculus.</b>	ii	398	<b>cancellaria</b> <i>Conr.</i>
ii	396	<b>Cassis sulcosa</b> <i>Lam.</i>	ii	398	<b>Pyrula papyratia</b> <i>Say</i>
ii	396	<b>Columbella avara</b> <i>Say.</i>			<i>(Ficus).</i>
ii	396	—	ii	398	<b>Pyramidella alveata</b> <i>C.</i>
ii	396	<b>Conus</b> — [Conr.]	ii	398	<b>Pirena scalariformis</b> <i>S.</i>
ii	396	<b>Dentalium eborcum</b>	ii	398	<b>Ranella caudata</b> <i>Say.</i>
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		<i>D. gadus</i> <i>Sowb.</i>	ii	398	<b>Scalaria</b> —
ii	396	<b>Fulgur perversus</b> <i>Lam.</i>	ii	398	<b>Triton lineolatum</b> <i>Conr.</i>
ii	396	<b>pyruloides</b> <i>Say.</i>	ii	398	<b>Turbo castaneus.</b>
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ii	397	<b>tulipa</b> <i>Lam.</i>	ii	398	<b>Pholas costata.</b>
ii	397	<b>Fusus ferrugatus</b> <i>Conr.</i>	ii	398	<b>Teredo navalis.</b>
		<i>(Manatee R.) (deser.)</i>	ii	398	<b>Polygyra plicata.</b>
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ii	397	<b>(Phasianella) angu-</b>	ii	398	<b>Pupa</b> —
		<b>liferam</b> <i>Lam.</i>	ii	398	<b>Achatina fasciata.</b>
ii	397	<b>Murex ostrearum</b> <i>Conr.</i>	ii	398	<b>Succinea campestris.</b>
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iii	101	1-3	<b>Helix annulata</b> <i>Case.</i>	Lake Superior.
iii	101	4, 5	<b>Planorbis multivolvis</b> <i>Case.</i>	Michigan.
Mar.	1847.		<b>Gould.</b> —Note on the above descriptions of Case: by Dr. A. A. GOULD.	
iii	270		<i>Helix annulata</i> <i>Case</i> = <b>H. striatella</b> <i>junior.</i>	

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vi	233	1, 2	<b>Astarte mactracea</b> <i>Gould.</i>	Connecticut.			
vi	233		<b>Cytherea morrhua</b> <i>Linsley</i> = <b>C. convexa</b> <i>Say.</i>				
vi	233		<b>Unio Pequotinus</b> <i>Lins.</i> = <b>U. latus</b> <i>Raf.</i> ( <i>U. rectus</i> <i>Say.</i> ).				
vi	234	3	<b>Cyclas truncata</b> <i>Linsley.</i>	Connecticut.			
vi	234	4, 5	<b>Anodonta Housatonica</b> <i>Linsley.</i>	Connecticut.			
vi	235	6	<b>Pecten fuscus</b> <i>Linsley.</i>	Connecticut.			
vi	236		<b>Helix Trumbulli</b> = <b>Skenea serpuloides.</b>	Connecticut.			
vi	236	7	<b>Fusus Trumbulli</b> <i>Linsley.</i>	Connecticut.			
vi	236	8	<b>Buccinum zonale</b> <i>Linsley.</i>	Connecticut.			
Mar. 1856.			<b>T. A. Conrad.</b>				
xxi	172		<b>Unio diversus</b> <i>Conr.</i> (fig.)	Shoal creek, N. Ala.			
xxi	172		<b>viridis</b> <i>Raf.</i>	Phoenixville, Pa., & Trenton.			
Jan. 1858			<b>Stimpson.</b> —Criticism on the Mollusca of Rink's "Greenland:" by WILLIAM STIMPSON. [No descriptions, but many critical remarks.—W. G. B.]				
xxv	125		<b>Tellina tenera</b> <i>Say</i> ; if <i>prooc.</i> , may be called— <b>T. agilis</b> <i>Stimpson.</i>				
March, 1859.			<b>Smith.</b> —Depth of Mollusca of Peconic and Gardiner's Bays, Long Island, N. Y.: by SANDERSON SMITH.				
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xxvii	281		<b>Pyrula canaliculata.</b>	xxvii	282		<b>lineata.</b>
xxvii	281		<b>carica.</b>	xxvii	282		<b>Cerithium Sayii.</b>
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xxvii	281		<b>Nassa obsoleta.</b>	xxvii	282		<b>Greenii.</b> [ <i>sonii.</i>
xxvii	281		<b>trivittata.</b>	xxvii	282		<b>Cerithiopsis Emer-</b>
xxvii	281		<b>Columbella avara.</b>	xxvii	282		<b>terebellum.</b>
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xxvii	281		<b>lunata.</b>	xxvii	282		<b>Vermetus radícula.</b>
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xxvii	281		<b>plicatum.</b>	xxvii	282		<b>littoralis.</b>
xxvii	281		<b>Natica heros.</b>	xxvii	282		<b>Lacuna vinota.</b>
xxvii	281		<b>duplicata.</b>	xxvii	282		<b>fusca.</b>
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xxvii	282		<b>fusca.</b>	xxvii	282		<b>unguiformis.</b>
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Vol.	Pa.	Name.	Vol.	Pa.	Name.
xxvii	282	<i>Actæon punctostria-</i>	xxvii	283	<i>Venus mercenaria.</i>
xxvii	282	<i>Bulla solitaria.</i> [tus.	xxvii	283	<i>Cytherea convexa.</i>
xxvii	282	<i>canaliculata.</i>	xxvii	283	<i>Venus gemma.</i>
xxvii	282	<i>Æolis</i> (n. s. ?)	xxvii	283	<i>Petricola dactylus.</i>
xxvii	282	<i>Ostrea borealis.</i>	xxvii	283	<i>pholadiformis.</i>
xxvii	282	<i>Anomia ephippium.</i>	xxvii	283	<i>Mactra lateralis.</i>
xxvii	282	var. <i>electrica.</i>	xxvii	283	<i>soldissima.</i>
xxvii	282	var. <i>squamula.</i>	xxvii	283	<i>Kellia planulata.</i>
xxvii	282	<i>aculeata.</i>	xxvii	283	<i>Montacuta elevata.</i>
xxvii	282	<i>Pecten irradians.</i>	xxvii	283	<i>Tellina agilis</i> (St.)
xxvii	282	<i>Mytilus edulis.</i>	xxvii	283	<i>tenta.</i>
xxvii	282	<i>modiolus.</i>	xxvii	283	<i>fusca.</i>
xxvii	282	<i>plicatulus.</i>	xxvii	283	<i>Cumingia tellinoides</i>
xxvii	282	<i>Arca transversa.</i>	xxvii	283	<i>Solen ensis.</i>
xxvii	282	<i>pexata.</i>	xxvii	283	<i>Solecurtus bidens.</i>
xxvii	282	<i>Nucula proxima.</i>	xxvii	283	<i>Mya arenaria.</i>
xxvii	282	<i>Leda limatula.</i>	xxvii	283	<i>Corbula contracta.</i>
xxvii	282	<i>sapotilla.</i>	xxvii	283	<i>Anatina papyracea.</i>
xxvii	282	<i>Solemya velum.</i>	xxvii	283	<i>Cochlodesma leanum.</i>
xxvii	283	<i>borealis.</i>	xxvii	283	<i>Lyonsia hyalina.</i>
xxvii	283	<i>Cardium Mortoni.</i>	xxvii	283	<i>Thracia Conradi.</i>
xxvii	283	<i>pinnulatum.</i>	xxvii	283	<i>Pandora trilineata.</i>
xxvii	283	<i>Astarte mactracea.</i>	xxvii	283	<i>Saxicava distorta.</i>

**Storer, Binney, &c.**—In the Boston Journal of Natural History occur the following:—

Vol.	No.	Pa.	Plate.	Fig.	Name.	Locality.
May,	1837				<b>Storer.</b> —Description of a new species of <i>Margi-</i> <i>nella</i> : by D. HUMPHREYS STORER, M. D.	
i	4	465	x	2	<i>Marginella carnea</i> Storer.	Key West.
i	4	466			<b>Binney.</b> —A Monograph of the <i>Helices</i> inhabit- ing the United States: by AMOS BINNEY, M. D. [This paper was also published in pamphlet form.—W. G. B.]	
i	4	473	xii		<i>Helix major</i> Binney.	[For locality, v'de
i	4	475	xiii		<i>H. albolabris</i> var. <i>maxima</i>	quotations from
i	4	480	xiv		<i>albolabris</i> Say. [Fer.	"Terrestrial Mol-
i	4	482	xv		<i>multilineata</i> Say.	lusks."]
i	4	483	xvi		<i>clausa</i> Say.	
i	4	485	xvii		<i>Pennsylvanica</i> Green.	
i	4	488	xviii		<i>subglobosa</i> Binney.	
					<i>thyroidus</i> Say.	
					<i>Mesodon leucodon</i> Raf.	
i	4	490	xix		<i>elevata</i> Say.	
					<i>H. Knoxvilleana</i> Fer.	
					<i>Mesodon helicinum</i> Raf.	

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Vol.	No.	Pa.	Plate.	Fig.	Name.	Locality.
i	4	492	xx		<b>Helix zaleta</b> Say.	
i	4	494	xxi		<i>H. albolabris</i> var. <i>unidentata</i> Fer. <b>dentifera</b> Binney.	
Febr.	1838					
ii	1	53			<b>Couthouy.</b> —Descriptions of new species of Mollusca and Shells, and Remarks on several Polypi found in Massachusetts Bay: by JOSEPH P. COUTHOUY.	
ii	1	59	iii	2	<b>Tellina sordida</b> Couth.	
ii	1	61	iii	6	<b>Cardium pubescens</b> Couth.	
ii	1	62	iii	7	<b>Nucula myalis</b> Couth.	
ii	1	64	iii	8	<b>tenuisulcata</b> Couth.	
ii	1	65			<b>Terebratula septentrionalis</b> Couth.	
ii	1	67	i	1	<b>Eolis Bostoniensis</b> Couth.	
ii	1	68	i	2	( <i>Cavolina</i> ) <b>salmonacea</b> Couth.	
ii	1	69	i	3	( <i>Tergipes</i> ) <b>gymnota</b> Couth.	
ii	1	74	ii	1-4	<b>Tritonia Reynoldsii</b> Couth.	
ii	1	80			<b>Chiton fulminatus</b> Couth.	
ii	1	82			<b>sagrinatus</b> Couth.	
ii	1	83	iii	10	<b>Emersonii</b> Couth.	
ii	1	86			<b>Patella candida</b> Couth.	
ii	1	87			<b>Rimula Noachina</b> Linn. <i>Patella Noachina</i> Linn. <i>apertura</i> Mont. <i>fissurella</i> Gmelin. <i>Fissurella Noachina</i> Lyell. <i>Sipho radiata</i> Brown.	
ii	1	88	ii	8	<b>Bulla triticea</b> Couth.	
ii	1	89			<b>Natica consolidata</b> Couth.	
ii	1	90			<b>Oxynoë? glabra</b> Couth.	
ii	1	92	ii	7	<b>Jaminia exigua</b> Couth.	
ii	1	93	iii	4	<b>Scalaria subulata</b> Couth.	
ii	1	94	iii	5	<b>Novangli</b> Couth.	
ii	1	98			<b>Turbo incarnatus</b> Couth.	
ii	1	99	iii	9	<b>cinereus</b> Couth.	
ii	1	100			<b>obscurus</b> Couth.	
ii	1	101	i	6	<b>Pyramis striatulus</b> Couth.	
ii	1	103	iii	1	<b>Turritella erosa</b> Couth.	
ii	1	104	i	11	<b>Pleurotoma bicarinata</b> Couth.	
ii	1	105	iii	3	<b>Cancellaria buccinoïdes</b> Couth.	
ii	1	106	i	10	<b>Fusus harpularius</b> Couth.	
ii	1	107	i	9	<b>pleurotomarius</b> Couth.	
ii	1	108	iii	2	<b>Trichotropis costellatus</b> Couth.	
ii	1	110			[The following mentioned by name only]:— <b>Modiola discors</b> Linn.	
ii	1	110			<b>discrepans</b> Lam.	
ii	1	110			<b>Valvata tricarinata</b> Say.	
ii	1	110			<b>Natica immaculata</b> Totten.	
ii	1	110			<b>Galericulum lævigatum</b> Brown.	
ii	1	110			<b>ovatum</b> Brown.	
ii	1	111			<b>Fusus turriculus</b> Mont.	
ii	1	111			<b>Nassa acuta</b> Say.	
ii	1	111			<b>Actæon trifidus</b> ( <i>Jaminia</i> ) Tott.	

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Vol.	No.	Pa.	Plate.	Fig.	Name.	Locality.
ii	1	111			<b>Polyclinum</b> —— ?	
ii	1	111			<b>Botryllus stellatus</b> Pallas.	
ii	1	111			<b>Ascidia rustica</b> Linn.	
ii	1	111			<b>microcosmus</b> Cuv.	
ii	1	111			<b>intestinalis</b> Linn.	
ii	1	111			<b>pedunculata</b> Lam.	
ii	1	122			<b>Storer.</b> —Description of a new species of <i>Nucula</i> from Massachusetts Bay: by D. HUMPHREYS STORER, M. D.	
ii	1	122			<b>Nucula thraciæformis</b> Storer (with a fig.)	
Feb.	1839				<b>Couthouy.</b> —Monograph of the Family <i>Osteodesmacea</i> of Deshayes, with Remarks on two species of <i>Patelloidea</i> , and Descriptions of new species of Marine Shells, a species of <i>Anculotus</i> , and one of <i>Eolis</i> : by JOSEPH P. COUTHOUY.	
ii	2	153	iv	2	<b>Thracia Conradi</b> Couth. <i>T. declivis</i> Conr. <i>Anatina convexa</i> Hitchcock's Catalogue.	New England.
ii	2	166			<b>Osteodesma hyalina</b> Conr. <i>Mya hyalina</i> Conr.	
ii	2	170			<b>Cochloodesma</b> Couth. (n. g.)	
ii	2	170			<b>Cochleoodesma Leana</b> Conr. <i>Anatina Leana</i> Conr.	
ii	2	171			<b>Patelloidea amœna</b> Say. <i>Patella amœna</i> Say.	
ii	2	177			<b>alveus</b> Conr. <i>Patella alveus</i> Conr.	
ii	2	178	iv	4	<b>Nucula navicularis</b> Couth.	Massachus'ts Bay.
ii	2	179	iii	15	<b>Bulla lineolata</b> Couth.	Massachus'ts Bay.
ii	2	180	iv	5	<b>hiemalis</b> Couth.	Massachus'ts Bay.
ii	2	181	iv	6	<b>Gouldii</b> Couth.	Massachus'ts Bay.
ii	2	183	iv	8	<b>Pleurotoma decussata</b> Couth.	Massachus'ts Bay.
ii	2	185	iv	7	<b>Anculotus dentatus</b> Couth.	Potomac, Va.
ii	2	187	iv	9	<b>Eolis diversa</b> Couth.	Massachus'ts Bay.
ii	2	262			<b>Adams.</b> —Observations on some species of the Marine Shells of Massachusetts, with Descriptions of five new species: by C. B. ADAMS, A. M. [No descriptions, but remarks, locality, &c.—W. G. B.]	
ii	2	263			<b>Columbella avara</b> Say.	
ii	2	264			<b>Buccinum vibex.</b> <i>Nassa vibex</i> Say.	
ii	2	265			<b>trivittatum</b> Say. <i>Nassa trivittata.</i>	
ii	2	266			<b>lunata</b> Say. <i>Nassa lunata.</i>	



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Vol.	No.	Pa.	Plate	Fig.	Name.	Locality.
ii	2	267			<b>Buccinum obsoletum.</b> <i>Nassa obsoleta</i> Say. <i>B. oliviforme</i> Kiener.	
ii	2	268			<b>Purpura lapillus</b> Linn. <i>Buccinum lapillus</i> L.	
ii	2	269			<b>Ranella caudata</b> Say.	
ii	2	269			<b>Pyrula canaliculata</b> Lam. <i>Murex canaliculata</i> Linn.	
ii	2	269			<b>carica</b> Lam. <i>Murex carica</i> Gmelin.	
ii	2	272			<b>Fusus cinereus</b> Say.	
ii	2	273			<b>Cerithium reticulatum</b> Tott. <i>Posithea nigra</i> Totten.	
ii	2	275			<b>Turritella interrupta</b> Totten.	
ii	2	276			<b>Crepidula plana</b> Say.	
ii	2	278			<b>fornicata</b> Lam. <i>Patella fornicata</i> Linn	
ii	2	279			<b>convexa</b> Say.	
ii	2	280	iv	13	<b>Jamina seminuda</b> Adams.	Dartmouth har'r.
ii	2	282	iv	9	<b>Pyramis fusca</b> Adams.	New Bedford.
ii	2	284	iv	10	<b>Cerithium Emersonii</b> Adams.	New Bedford.
ii	2	286	iv	11	<b>nigrocinctum</b> Adams.	Dartmouth har'r.
ii	2	287	iv	12	<b>Greenii</b> Adams.	Dartmouth har'r.
Jan.	1840				<b>Anthony.</b> —Descriptions of three new species of Shells: by J. G. ANTHONY.	
iii	1, 2	278	iii	1	<b>Anculotus costatus</b> Anth.	Cincinnati.
iii	1, 2	278	iii	2	<b>Helix striatella</b> Anth. [Anth.	Cincinnati.
iii	1, 2	279	iii	3	<b>Paludina Cincinnatiensis</b>	Cincinnati.
July,	1840				<b>Adams.</b> —Descriptions of thirteen new species of New England Shells: by C. B. ADAMS, A. M.	
iii	3	318	iii	6	<b>Pleurotoma plicata</b> Adams.	New Bedford.
iii	3	320	iii	7	<b>Cerithium terebrale</b> Adams. <i>C. Emersonii</i> (var.) Ad.	New Bedford.
iii	3	322	iii	8	<b>Jamina producta</b> Adams.	Fairhaven.
iii	3	323	iii	9	<b>Tornatella punctostriata</b>	New Bedford.
iii	3	324	iii	13	<b>Limnæa pallida</b> Ad. [Ad.	Lake Champlain.
iii	3	325	iii	14	<b>umbilicata</b> Adams.	New Bedford.
iii	3	326	iii	15	<b>Planorbis virens</b> Adams.	New Bedford. [&c.
iii	3	327	iii	16	<b>elevatus</b> Adams.	S. Bos'n, L. George,
iii	3	329	iii	17	<b>Ancylus fuscus</b> Adams.	Andover & Mans-
iii	3	330	iii	11	<b>Cyclas elegans</b> Adams.	Vermont. [field.
iii	3	331	iii	18	<b>Pupa badia</b> Adams.	Crown Point, N. Y.
					<b>Adams.</b> —Description of <i>Tellina tenta</i> Say, and of <i>Helix serpuloides</i> Montague, with remarks on other Marine Shells of Massachusetts: by C. B. ADAMS, A. M.	
iii	3	332			<b>Tellina tenta</b> Say.	N. England, S. C.
iii	3	334			<b>Delphinula (?) serpuloides.</b> <i>Helix serpuloides</i> Mont.	East Boston.

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Vol.	No.	Pa.	Plate.	Fig.	Name.	Locality.
					<i>Turbo serpuloides</i> Turton. <i>Delphinoidea serpuloides</i> Brown.	
iii	3	335			<b>Cerithium Emersonii</b> Adams.	New Bedford.
iii	3	336			<b>Greenii</b> Adams.	New Bedford, &c.
iii	3	337			<b>Jamina seminuda</b> Adams.	New Bedford.
iii	3	337			<b>fusca</b> Adams. <i>Pyramis fusca</i> Adams.	Fairhaven.
<b>Binney.</b> —A Monograph of the Helices inhabiting the United States: by AMOS BINNEY, M. D. (Continued from vol. i.)						
iii	3	353	vii		<b>Helix palliata</b> Say. <i>H. obstricta</i> Say. <i>denotata</i> Fer. <i>Caroliniensis</i> Lea. <i>Carocolla helicoides</i> Lea. <i>Tridopsis scabra</i> Raf.	[For locality, vide quotations from "Terrestrial Mollusks U. S."]
iii	3	356	viii		<b>appressa</b> Say. <i>H. linguifera</i> Fer.	
iii	3	358	ix	1	<b>inflecta</b> Say. <i>H. clausa</i> Fer. <i>Tridopsis clausa</i> Raf.	
iii	3	360	x	1	<b>monodon</b> Rackett. <i>H. Leaii</i> Ward MS.	
iii	3	363	x	2	<b>fraterna</b> Say. <i>H. monodon</i> Wood. <i>convexa</i> Desh.	
iii	3	365	x	3	<b>hirsuta</b> Say. <i>H. fraterna</i> Wood. <i>Stenotrema convexa</i> Raf.	
iii	3	367	xi	2	<b>spinosa</b> Lea. <i>Carocolla spinosa</i> Lea.	
iii	3	369	xii		<b>Nuttalliana</b> Lea.	
iii	3	371	xiii		<b>Townsendiana</b> Lea.	
iii	3	372	xiv		<b>concava</b> Say. <i>H. planorboides</i> Fer. <i>Vancouverensis</i> Lea. <i>Mesomphix planorboides</i>	
iii	3	375	ix	2	<b>pulchella</b> Müll. [Raf. <i>H. paludosa</i> Montagu. <i>minuta</i> Say.	
iii	3	377	xv		<b>profunda</b> Say. <i>H. Richardi</i> Fer.	
iii	3	379	xvi		<b>Sayii</b> Binney. <i>H. diodonta</i> Say, preoc.	
iii	3	382	xvii		<b>tridentata</b> Say.	
			xviii		<i>H. fallax</i> Say.	
iii	3	384	xix	1, 2	<b>auriculata</b> Say. <i>Polygyra auriculata</i> Say. <i>acara</i> Say. <i>H. avara</i> Fer. <i>Sayii</i> Wood.	

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Vol.	No.	Pa.	Plate	Fig.	Name.	Locality.
iii	3	388	xix	3	<b>Helix fatigiata</b> Say. <i>Polygyra plicata</i> Say. <i>fatigiata</i> Say. <i>Dorfeuilliana</i> Lea <i>Troostiana</i> Lea.	
iii		391	xix	4	<b>septemvolva</b> Say. <i>Polygyra septemvolva</i> Say. <i>H. septemvolva</i> Fer. <i>planorbula</i> Lam.	
iii	3	393	xxvi	1	<b>labyrinthica</b> Say.	
<b>Anthony.</b> —Descriptions of two new species of <i>Anculotus</i> : by J. G. ANTHONY.						
iii	3	394	iii	5	<b>Anculotus carinatus</b> Anth.	Kanawha falls.
iii	3	395	iii	4	<b>Kirtlandianus</b> Anth.	Kanawha falls.
iii	3	395			<b>Gould.</b> —Monograph of the species of Pupa found in the United States, with figures: by AUGURUS A. GOULD, M. D.	
iii	3	397	iii	19	<b>Pupa corticaria</b> Say.	[Localities not given, as they are included in the quotations from "Terrestrial Mollusks U. S."—W. G. B.]
iii	3	398	iii	20	<b>exigua</b> Say.	
iii	3	399	iii	22	<b>contracta</b> Say.	
iii	3	400	iii	10	<b>armifera</b> Say.	
iii	3	401	iii	12	<b>procera</b> Gould.	
iii	3	402	iii	23	<b>millium</b> Gould.	
iii	3	403	iii	21	<b>simplex</b> Gould.	
iii	3	404			<b>badia</b> Adams.	
Nov.	1841				<b>Binney.</b> —A Monograph of the Helices inhabiting the United States: by AMOS BINNEY, M. D. (Continued.)	
iii	4	405	xxi	1	<b>Helix interna</b> Say. <i>H. pomum-Adami</i> Green.	[For localities, see "Terrestrial Mollusks U. S."—W. G. B.]
iii	4	408	xi	1	<b>gularis</b> Say.	
iii	4	410	xi	3	<b>suppressa</b> Say.	
iii	4	412	xx	1	<b>ligera</b> Say. <i>H. Rafinesquea</i> Fer. <i>Wardiana</i> Lea.	
iii	4	413	xx	2	<b>intertexta</b> Binney.	
iii	4	415	xxii	3	<b>indentata</b> Say.	
iii	4	416	xxvi	3	<b>chersina</b> Say.	
iii	4	417	xxiv		<b>fuliginosa</b> Griffith ined. <i>H. lucubrata</i> Say. <i>lævigata</i> Fer.	
iii	4	419	xxi	3	<b>inornata</b> Say.	
iii	4	421			<b>cellaria</b> Müll. <i>H. nitida</i> Drap. <i>glaphyra</i> Say.	
iii	4	422	xxii	1	<b>arborea</b> Say.	
iii	4	423	xxii	2	<b>electrina</b> Gould.	
iii	4	425	xxii	5	<b>multidentata</b> Binney.	
iii	4	426	xxiii		<b>solitaria</b> Say.	

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Vol.	No.	Pa.	Plate.	Fig	Name.	Locality.
iii	4	428	xxv		<b>Helix alternata</b> Say. <i>H. scabra</i> Lam.	
iii	4	430	xxi	4	<b>perspectiva</b> Say. <i>H. parvula</i> Desh.	
iii	4	432	xxi	5	<b>striatella</b> Anth.	
iii	4	434	xxi	2	<b>limatula</b> Ward, ined.	
iii	4	435	xxii	4	<b>minuscula</b> Binney.	
iii	4	436	xxii	6	<b>lineata</b> Say.	
iii	4	483			<b>Gould.</b> —Results of an Examination of the Shells of Massachusetts, and their Geographical Distribution: by AUGUSTUS A. GOULD, M. D. [No descriptions. Notes on the following European species]:—	
iii	4	488			<b>Limnæa palustris.</b>	
iii	4	488			<b>stagnalis.</b>	
iii	4	489			<b>Bulimus acutus.</b>	
iii	4	489			<b>Helix variabilis.</b>	
iii	4	489			<b>Pisana.</b>	
iii	4	489			<b>Alasmodon margaritifera.</b> &c. &c.	
Jan.	1842				<b>Mighels &amp; Adams.</b> —Descriptions of twenty-four species of the Shells of New England: by J. W. MIGHELS, M. D., and Prof. C. B. ADAMS.	
iv	1	37				
iv	1	38	iv	1	<b>Thracia truncata</b> M. & Ad.	Casco bay.
iv	1	39	iv	2	<b>Cyclas minor</b> M. & Ad.	Weybridge, Vt., Portland, Me.
iv	1	39	iv	3	<b>nitida</b> M. & Ad.	Oxford Co., Me.
iv	1	40	iv	5	<b>Nucula delphinodonta</b> M. & Ad.	Casco bay.
iv	1	40	iv	6	<b>Cascoensis</b> M. & Ad.	Casco bay.
iv	1	41	iv	7	<b>Pecten tenuicostatus</b> M. & Ad.	Casco bay.
iv	1	42	iv	8	<b>Chiton mendicarius</b> M. & Ad.	Casco bay.
iv	1	42	iv	9	<b>Cemoria princeps</b> M. & Ad.	Maine.
iv	1	43	iv	10	<b>Bulla puncto-striata</b> M. & Ad.	Casco bay.
iv	1	44	iv	12	<b>Physa fragilis</b> M. & Ad.	Monmouth, Me.
iv	1	45	iv	13	<b>Limnæa decollata</b> M. & Ad.	Unity, Me.
iv	1	46	iv	14	<b>Margarita varicosa</b> M. & Ad.	Bay Chaleur.
iv	1	46	iv	15	<b>acuminata</b> M. & Ad.	G'lf St. Lawr'ce.
iv	1	47	iv	16	<b>Trochus occidentalis</b> M. & Ad.	Casco bay.
iv	1	48	iv	22	<b>Cingula latior</b> M. & Ad.	Casco bay.
iv	1	49	iv	24	<b>arenaria</b> M. & Ad. <i>Turbo arenarius</i> Mont.	Casco bay.
iv	1	49	iv	23	<b>semicostata</b> M. & Ad. <i>Turbo semicostata</i> Mont.?	Casco bay.
iv	1	50	iv	20	<b>Turritella costulata</b> M. & Ad.	Casco bay.
iv	1	50	iv	19	<b>reticulata</b> M. & Ad.	Bay Chaleur.
iv	1	51	iv	21	<b>Pleurotoma violacea</b> M. & Ad.	Casco bay.
iv	1	51	iv	17	<b>Fasciolaria ligata</b> M. & Ad.	G'lf St. Lawr'ce.
iv	1	52	iv	18	<b>Fusus cancellatus</b> M. & Ad.	Casco bay.
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vi	3	358	xi	21-23	<i>tenellum</i> Gould. <i>P. rubellum</i> Prime.	Lake Superior.
vi	3	359			<i>obscurum</i> Prime.	Ohio.
vi	3	359	xi	24-25	<i>abditum</i> Hald.	Columbia, Pa.
			xii	1		
vi	3	360	xii	5-7	<i>minus</i> Stimpson. <i>Cyclas minor</i> Ad. et Migh.	Me., Vt., Mass., Conn., N. Y.
vi	3	361	xii	5-7	<i>Kurtzii</i> Prime.	Charleston, S. C.
vi	3	362	xii	8-10	<i>ferrugineum</i> Prime.	Mass., N. Y.
vi	3	363	xii	11-13	<i>regulare</i> Prime.	Miami canal, O.
vi	3	364	xii	14-16	<i>arcuatum</i> Prime (fossil).	Brattleboro', Vt.
vi	3	364	xii	17-19	<i>zonatum</i> Prime.	Greenwich, N. Y.
vi	3	365	xii	20-22	<i>notatum</i> Prime.	Greenwich, N. Y.
vi	3	366	xii	23-25	<i>equilaterum</i> Prime.	Me., Mass., N. Y.
vi	3	366			<i>equale</i> Raf. <i>Physemoda equale</i> Raf.	Ohio.
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vi	3	375	xiv	1	<i>Bulimus vesicalis</i> Gould.	Lower Califor'a.
vi	3	375	xiv	2	<i>vegetus</i> Gould.	San Juan, G. of
vi	3	376	xiv	3	<i>excelsus</i> Gould. [ <i>B. elatus</i> in pl.—W. G. B.]	Califor'a. [Cal.
vi	3	376	xiv	5	<i>Acmæa paleacea</i> Gould.	Santa Barbara.
vi	3	377	xiv	7	<i>Crepidula explanata</i> Gould.	Monterey, L. Ca.
vi	3	377	xiv	8	<i>Bulla (Akeria) culcitella</i> Gld.	Santa Barbara.
vi	3	378	xiv	9	( <i>Tornatina</i> ) <i>cerealis</i> Gld.	Santa Barbara.
vi	3	379	xiv	4	<i>Physa alata</i> Gould.	Lower Califor'a.
vi	3	379	xiv	17	<i>Sigaretus debilis</i> Gould.	La Paz, G. of C.
vi	3	380	xiv	10	<i>Narica ovoidea</i> Gould.	Maz'tlan (bou't).
vi	3	380	xiv	19	<i>Terebra arguta</i> Gould.	
vi	3	381	xiv	11	<i>Trochus marcidus</i> Gould.	Monterey.
vi	3	381			<i>picoides</i> . [Gould.]	
vi	3	382			( <i>Monodonta</i> ) <i>pyriformis</i>	San Diego.
vi	3	383	xiv	12	<i>Modulus dorsuosus</i> Gould.	Acapulco.
vi	3	383	xiv	15	<i>Chemnitzia tenuicula</i> Gould.	Santa Barbara.
vi	3	384	xiv	16	<i>torquata</i> Gould.	Santa Barbara.
vi	3	384	xiv	14	<i>Odostomia gravida</i> Gould.	Santa Barbara.
vi	3	385	xiv	13	<i>achates</i> Gould.	Mazatlan.
vi	3	385	xiv	18	<i>Fusus ambustus</i> Gould.	Mazatlan.
vi	3	386	xiv	20	<i>Erato leucophæa</i> Gould.	Santa Barbara.
vi	3	386	xiv	21	<i>Conus ravus</i> Gould.	Santa Barbara.
vi	3	387	xiv	23	<i>comptus</i> Gould.	Santa Barbara.
vi	3	388	xiv	22	<i>pusillus</i> Gould.	Mazatlan.
vi	3	388	xv	1	<i>Pholas ovoidea</i> Gould.	
vi	3	389	xv	5	<i>Petricola bulbosa</i> Gould.	Guaymas.
vi	3	390	xv	6	<i>Osteodesma nitidum</i> Gould.	Santa Barbara.
vi	3	390			<i>Lutraria ventricosa</i> Gould.	Mazatlan.
vi	3	391	xv	7	<i>undulata</i> Gould.	La Paz, L. Cal.

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vi	3	394	xv	8	<i>Donax flexuosus</i> Gould.	Santa Barbara.
vi	3	394	xv	9	<i>obesus</i> Gould.	San Diego.
vi	3	395	xv	3	<i>Lucina orbella</i> Gould.	San D., Sta. B.
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vi	3	398	xvi	3	<i>pura</i> Gould.	Panama.
vi	3	399	xvi	5	<i>gemma</i> Gould.	San Juan.
vi	3	399	xvi	4	( <i>Strigilla</i> ) <i>fucata</i> Gould.	Mazatlan.
vi	3	400	xvi	5	<i>Cyrena altalis</i> Gould.	Mazatlan?
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vi	3	402	xvi	8	<i>Mytilus glomeratus</i> Gould.	San Francisco.
vi	3	403	xvi	9	<i>Lithodomus falcatus</i> Gould.	Monterey.
vi	3	404	xvi	7	<i>Avicula sterna</i> Gould.	Mazat., Panama.
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<sup>1</sup> The shells described in the Proceedings from the Wilkes Exploring Expedition were also published in pamphlet form, with separate folios, as "The Expedition Shells."—W. G. B.

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v	228	<i>Unio bracteatus</i> Gould.	Llanos river, Texas.
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v	229	<i>manubius</i> Gould.	Chihuahua.
v	229	<i>Anodon horda</i> Gould.	Camanche creek, Tex.
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v	296	<i>rufa</i> Hald.	Mohawk, N. Y.
v	296	<i>ponderosa</i> Say.	Mohawk, N. Y.
v	296	<i>Limnæa gracilis</i> Jay.	Mohawk, N. Y.
v	296	<i>Anodonta fluviatilis</i> Lea.	Mohawk, N. Y.
v	297	<i>Cyclas edentula</i> Say.	Mohawk, N. Y.
		<i>C. rhomboidea</i> Adams, Linsley.	
		<i>Linsleyi</i> Prime.	
		<i>modesta</i> Prime.	
		<i>rugosa</i> Whittemore?	
v	298	<i>Physa glabra</i> De Kay.	Mohawk, N. Y.
v	298	<i>elongata</i> Say.	Mohawk, N. Y.
v	298	<i>elongatina</i> Lewis.	Mohawk, N. Y.
Oct.	1856.	<b>Lewis.</b> —List of Shell-bearing Mollusca observed in portions of Herkimer and Otsego Counties, N. Y.: by Dr. J. Lewis. (With notes.)	

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vi	2	<i>Unio complanatus</i> Lea.	vi	2	<i>Cyclas occidentalis</i> Pr.
vi	2	<i>cariosus</i> Say.			<i>C. ovalis</i> Prime.
vi	2	<i>luteolus</i> Lam.	vi	2	<i>ovata</i> Lewis, ined.
vi	2	<i>ochraceus</i> Say.	vi	2	<i>crocea</i> Lewis.
vi	2	<i>radiatus</i> Lam.	vi	2	<i>Pisidium dubium</i> Gould.
vi	2	<i>Alasmodon rugosa</i> Barn.	vi	2	<i>abditum</i> Hald.
vi	2	<i>marginata</i> Say.	vi	2	<i>zonatum</i> Prime.
vi	2	<i>undulata</i> Say.	vi	2	<i>variable</i> Prime.
vi	2	<i>Anodon fluviatilis</i> Lea.	vi	2	<i>compressum</i> Prime.
vi	2	— n. s.	vi	2	<i>altile</i> Nutt.?
vi	2	<i>Lewisii</i> Lea.	vi	2	<i>ventricosum</i> Prime.
vi	2	<i>edentula</i> Say.	vi	2	<i>Paludina integra</i> Say.
vi	2	<i>Ferussaciana</i> Lea.	vi	2	<i>decisa</i> Say.
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vi	2	<i>subcylindracea</i> Lea.	vi	2	<i>Melania acuta</i> Lea.
vi	2	<i>Cyclas similis</i> Say.	vi	2	—?
vi	2	<i>modesta</i> Prime.	vi	2	<i>Amnicola lustrica</i> Hald.
vi	2	<i>transversa</i> Say.	vi	2	<i>pallida</i> Hald.
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vi	2	desidiosa <i>Say.</i>	vi	3	lucubrata <i>Say.</i>
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vi	2	umbilicata <i>Adams.</i>	vi	3	monodon <i>Rack.</i>
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vi	2	columella <i>Say.</i>	vi	3	Sayii <i>Binney.</i>
vi	3	<b>Physa heterostropha</b> S.	vi	3	striatella <i>Anthony.</i>
vi	3	integra <i>Hald.?</i>	vi	3	thyroidus <i>Say.</i>
vi	3	elongata <i>Say.</i>	vi	3	<b>Succinea obliqua</b> Say.
vi	3	<b>Planorbis trivolvis</b> Say.	vi	3	? campestris <i>De Kay.</i>
vi	3	bicarinatus <i>Say.</i>	vi	3	vermetus <i>Say.</i>
vi	3	armigerus <i>Say.</i>	vi	3	avara <i>Say.</i>
vi	3	deflectus <i>Say.</i>	vi	3	ovalis <i>Say.</i>
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vi	3	parvus <i>Say.</i>	vi	3	<b>Bulimus lubricus</b> Br.
vi	3	campanulatus <i>Say.</i>	vi	3	<b>Pupa modesta</b> Say.
vi	3	<b>Ancylus rivularis</b> Say.	vi	3	exigua <i>Say.</i>
vi	3	———?	vi	3	contracta <i>Say.</i>
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vi	3	alternata <i>Say.</i>	vi	3	Notes on <b>Cyclas edentula</b> .
vi	3	arborea <i>Say.</i>	vi	3	modesta.
vi	3	chersina <i>Say.</i>	vi	4	<b>Melania exilis.</b>
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vi	16	coruscus <i>Gould.</i>	Lake Beresford, Fla.

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**Conrad, Phillips, &c.**—In Proceedings of the Academy of Natural Sciences of Philadelphia, occur the following:—

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Feb.	1853.	<b>Conrad.</b> —Synopsis of the Family of Naiades of North America, with Notes, and a table of some of the genera and subgenera of the family, according to their geographical distribution, and descriptions of genera and subgenera: by T. A. CONRAD. [Also in pamphlet form.]	
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vi	245	<b>bullatus</b> <i>Raf.</i> <i>U. verrucosus albus</i> Hild. <i>pustulosus</i> <i>Lea.</i>			<i>jejunus?</i> <i>Lea.</i> <i>Roanokensis?</i> <i>Lea.</i> <i>complanatus</i> Gould. <i>purpureus</i> Say.
vi	245	<b>capax</b> <i>Green.</i> <i>Symphynota globosa</i> <i>Lea.</i> <i>U. capax</i> Küst.	vi	247	<b>concaucus</b> <i>Lea.</i>
vi	245	<b>cælatus</b> <i>Conr.</i>	vi	247	<b>congaræus</b> <i>Lea.</i>
vi	246	<b>caliginosus</b> <i>Lea.</i>	vi	247	<b>compressissimus</b> <i>Lea.</i>
vi	246	<b>callosus</b> <i>Lea.</i>	vi	247	<b>Conradicus</b> <i>Lea.</i>
vi	246	<b>camptodon</b> <i>Say.</i> <i>U. Sayi</i> <i>Lea.</i> , not Tapp.	vi	247	<b>contrarius</b> <i>Conr.</i>
vi	246	<b>capsæformis</b> <i>Lea.</i>	vi	247	<b>constrictus</b> <i>Conr.</i>
vi	246	<b>cardium</b> <i>Raf.</i> <i>U. ventricosus</i> Barnes. <i>occidens</i> <i>Lea.</i> <i>subovatus</i> <i>Lea.</i> <i>ovata</i> Lam. (var. b?)	vi	247	<b>Cooperianus</b> <i>Lea.</i>
vi	246	<b>carlosus</b> <i>Say.</i> <i>U. ovata</i> Valen. <i>cariosus</i> Kust. <i>Lampsilis cariosa</i> Agas.	vi	247	<b>cor</b> <i>Conr.</i>
vi	246	<b>Carolinianus</b> <i>Bosc.</i> [MS. <i>U. obesus</i> <i>Lea.</i>	vi	247	<b>cordatus</b> <i>Raf.</i> ( <i>Obovaria</i> ).
vi	246	<b>castaneus</b> <i>Lea.</i>	vi	247	<b>creperus</b> <i>Lea.</i>
vi	246	<b>catillus</b> <i>Conr.</i>	vi	247	<b>crocatus</b> <i>Lea.</i>
vi	246	<b>cerinus</b> <i>Conr.</i> <i>U. flavus</i> <i>Lea.</i> , not Raf.	vi	247	<b>Cumberlandianus</b> <i>Lea.</i> <i>U. Cumberlandicus</i> <i>glaber?</i> <i>Lea.</i> [Chenu.
vi	246	<b>cicatricosus</b> <i>Say.</i> <i>U. varicosus</i> <i>Lea.</i>	vi	247	<b>cuneolus</b> <i>Lea.</i>
vi	246	<b>Cincinnatiensis</b> <i>Lea.</i>	vi	248	<b>Cuvierianus</b> <i>Lea.</i>
vi	246	<b>Claibornensis</b> <i>Lea.</i> <i>U. obtusus?</i> <i>Lea.</i>	vi	248	<b>cyphus</b> <i>Raf.</i> <i>U. Æsopus</i> <i>Green.</i>
			vi	248	<b>cylindricus</b> <i>Say.</i> <i>U. naviformis</i> Lam. <i>Elliptio solenoides</i> Raf. <i>Theliderma cylindrica</i> Swains. <i>U. cylindricus</i> Hild.
			vi	248	<b>cyrenoides</b> <i>Phillipi.</i>
			vi	248	<b>dactylus</b> <i>Lea.</i>
			vi	248	<b>Dariensis</b> <i>Lea.</i>
			vi	248	<b>decisus</b> <i>Lea.</i>

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Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	248	<b>Unio declivis</b> Say.	vi	249	<b>Unio fraternus</b> Lea.
		<i>U. geometricus</i> Lea.	vi	249	<b>fulgidus</b> Lea.
vi	248	<b>delumbis</b> Conr.	vi	250	<b>furvus</b> Conr.
		<i>U. modioliformis</i> Lea.			<i>U. Hanleyanus?</i>
vi	248	<b>decoratus</b> Lea.			<i>Troschelianus?</i>
vi	248	<b>dilatatus</b> Raf. ( <i>Elliptio</i> ).	vi	250	<b>fuliginosa</b> Lea.
		<i>U. cuprea</i> Raf.	vi	250	<b>fuscatus</b> Lea.
		<i>atroviolacea</i> Raf.	vi	250	<b>Geddingsianus</b> Lea.
		( <i>Obliquaria</i> ).	vi	250	<b>Georgianus</b> Lea.
		<i>nasutus</i> Lam., not S.	vi	250	<b>gibber</b> Lea.
		<i>gibbosus</i> Barnes.	vi	250	<b>Gibbesianus</b> Lea.
		<i>arcticus?</i> Lea. (y'ng).	vi	250	<b>glaber</b> Lea.
vi	248	<b>discus</b> Lea.	vi	250	<b>glans</b> Lea.
vi	248	<b>dolabræformis</b> Lea.			<i>U. Brumbyanus</i> Lea.
vi	248	<b>dolabelloides</b> Lea.	vi	250	<b>Gouldii</b> Lea.
vi	248	<b>Dorfeuilleianus</b> Lea.	vi	250	<b>graniferus</b> Lea.
vi	248	<b>dromas</b> Lea.	vi	250	<b>Greenii</b> Conr.
		<i>U. caperatus</i> Lea.			<i>U. simplex</i> Lea.
vi	248	<b>Duttonianus</b> Lea.	vi	250	<b>Griffithianus</b> Lea.
vi	248	<b>Edgarianus</b> Lea.	vi	250	<b>Haleianus</b> Lea.
vi	248	<b>Eastbrookianus</b> Lea.	vi	250	<b>Hayesianus</b> Lea.
vi	248	<b>exiguus</b> Lea.	vi	250	<b>hebes</b> Lea.
vi	249	<b>excultus</b> Conr.	vi	250	<b>heterodon</b> Lea.
		<i>U. declivis</i> Lea, not Say.	vi	250	<b>Holstonensis</b> Lea.
vi	249	<b>famelicus</b> Gould.	vi	250	<b>hyalinus</b> Lea.
vi	249	<b>fasciolaris</b> Raf.	vi	250	<b>Hydianus</b> Lea.
		<i>U. phaseolus</i> Hild.			<i>U. Claibornensis?</i> Lea.
		<i>sinuatus</i> Raf.	vi	250	<b>icterinus</b> Conr.
		<i>mucronatus</i> Barnes.			<i>U. fulvus</i> Lea.
		<i>planulatus</i> Lea.	vi	250	<b>ineptus</b> Lea.
		<i>cuneatus</i> Barnes.	vi	250	<b>infurcatus</b> Conr.
		<i>phaseolus</i> Say.			<i>U. securiformis?</i> Conr.
		<i>planulata</i> Desh.	vi	250	<b>intermedius</b> Conr.
		<i>camelus</i> Lea.	vi	250	<b>interruptus</b> Raf.
vi	249	<b>fasciatus</b> Ann.			<i>U. brevidens</i> Lea.
		<i>U. crassus?</i> Say.	vi	251	<b>Jayensis</b> Lea.
		<i>carinatus</i> Barnes.	vi	251	<b>jejunus</b> Lea. [ <i>ianus?</i> ]
		<i>ellipticus</i> Barnes.	vi	251	<b>Keinerianus</b> Lea ( <i>Kiener-</i>
vi	249	<b>fasciolus</b> Raf.	vi	251	<b>Kirtlandianus</b> Lea.
		<i>U. subangulatus</i> Lea.	vi	251	<b>Kleinianus</b> Lea.
vi	249	<b>fatuus</b> Lea.	vi	251	<b>lanceolatus</b> Lea.
vi	249	<b>Fisherianus</b> Lea.	vi	251	<b>lapillus</b> Say.
		<i>U. nasutus</i> Conr. (var.)			<i>U. fabalis</i> Lea.
vi	249	<b>flavescens</b> Lea.	vi	251	<b>lævigatus</b> Raf. ( <i>Elliptio</i> ).
vi	249	<b>flavus</b> Raf.			<i>U. lens</i> Lea.
		<i>U. rubiginosus</i> Lea.	vi	251	<b>latiradiatus</b> Conr.
vi	249	<b>flexuosus</b> Raf.			<i>U. interruptus</i> Lea.
		<i>U. foliatus</i> Hild.	vi	251	<b>lazarus</b> Lea.
vi	249	<b>Floridensis</b> Lea.	vi	251	<b>Lecontianus</b> Lea.
vi	249	<b>folliculatus</b> Lea.	vi	251	<b>lenior</b> Lea.
vi	249	<b>Forbesianus</b> Lea.	vi	251	<b>Leseurianus</b> Lea.
		<i>U. congaræus?</i> Lea.	vi	251	<b>lineatus</b> Lea.
vi	249	<b>Foremanianus</b> Lea.	vi	251	<b>lienosus</b> Conr.
vi	249	<b>fragosus</b> Conr.			<i>U. obscurus</i> Lea.

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Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	251	<b>Unio ligamentinus</b> Lam. <i>U. fasciolus</i> Conr., not Raf. <i>multiradiatus</i> Lea.	vi	253	<b>Unio nodiferus</b> Conr. <i>U. prasinus</i> Lea, not Con.
vi	251	<b>limatulus</b> Conr. <i>U. Tuomeyi</i> Lea. [ria.)	vi	253	<b>nodulatus</b> Raf. <i>U. pustulatus</i> Lea.
vi	251	<b>lineolatus</b> Raf. ( <i>Obliqua</i> .) <i>U. depressa</i> Raf., not <i>securis</i> Lea. [Lam.	vi	253	<b>notatus</b> Lea.
vi	251	<b>luridus</b> Lea.	vi	253	<b>Novi-Eboraci</b> Lea. <i>nucleopsis</i> Conr.
vi	251	<b>luteolus</b> Lam. [Barnes. <i>U. siliquoideus</i> Conr., <i>inflatus</i> Barnes. <i>Lampsilis siliquoideus</i>	vi	253	<b>nexus</b> Say. <i>U. arciformis</i> Lea.
vi	252	<b>lugubris</b> Lea. [Stimp.	vi	253	<b>notatus</b> Lea. <i>U. sinus</i> Lea.
vi	252	<b>maculatus</b> Conr. <i>U. Ravenelianus</i> Lea.	vi	253	<b>obliquus</b> Lam. <i>U. obliquus</i> Fer. <i>ebenus</i> Lea. [Barn.
vi	252	<b>Masoni</b> Conr.	vi	253	<i>undatus</i> Desh., not <i>mytiloides</i> ? Swains., not Raf. [quaria). <b>obliquatus</b> Raf. ( <i>Obliqua</i> .) <i>U. ridibundus</i> Say. <i>sulcatus</i> Lea.
vi	252	<b>mcestus</b> Lea.	vi	253	<b>obovalis</b> Raf. <i>U. solidus</i> Lea.
vi	252	<b>merus</b> Lea.	vi	253	<b>obtusus</b> Lea.
vi	252	<b>Menkianus</b> Lea.	vi	253	<b>occidentalis</b> Conr.
vi	252	<b>metallicus</b> Say. <i>U. cuprinus</i> Lea.	vi	254	<b>ochraceus</b> Say. [List. <i>Pectunculus fluviatilis</i> <i>Mytilus fluviatilis</i> Gmel. <i>Symph. ochracea</i> Lea. <i>U. ochraceus</i> Conr. <i>rosaceus</i> ? Conr., not
vi	252	<b>metanever</b> Raf. <i>U. metanevrus</i> Say. <i>nodosus</i> Barnes. <i>rugosus</i> ? Barnes. <i>metanever</i> Lea.	vi	254	<b>olivarius</b> Raf. [De Kay. <i>U. ellipsis</i> Lea.
vi	252	<b>minor</b> Lea.	vi	254	<b>Ogeecheensis</b> Conr.
vi	252	<b>Mississippiensis</b> Conr.	vi	254	<b>oratus</b> Conr.
vi	252	<b>Mortoni</b> Conr. <i>U. turgidus</i> Lea.	vi	254	<b>orbiculatus</b> Hild. <i>U. abruptus</i> Say. <i>crassus</i> Conr.
vi	252	<b>Mühlfeldianus</b> Lea.	vi	254	<b>ovatus</b> Say. [Barnes. <i>U. ventricosus</i> Desh., not <i>subovatus</i> Desh., not Lea. <i>occidens</i> ? Desh., not
vi	252	<b>Monroensis</b> Lea.	vi	254	<b>oviformis</b> Conr. [Lea.
vi	252	<b>Moussianus</b> Lea.	vi	254	<b>pallescens</b> Lea.
vi	252	<b>Nashvillianus</b> Lea.	vi	254	<b>paliatus</b> Lea.
vi	252	<b>nasutus</b> Say. <i>Mya nasuta</i> Wood. <i>U. rostratus</i> Valenc. <i>Eurinea nasuta</i> Agas.	vi	254	<b>paludicolor</b> Gould.
vi	252	<b>nebulosus</b> Conr.	vi	254	<b>papyraceus</b> Gould.
vi	252	<b>neglectus</b> Lea.	vi	254	<b>parvus</b> Barnes.
vi	252	<b>nexus</b> Say. <i>U. arciformis</i> Lea.	vi	254	<b>paulus</b> Lea.
vi	253	<b>nervosus</b> Raf. <i>U. zig-zag</i> Lea. <i>donaciformis</i> .	vi	254	<b>pectorosus</b> Conr. <i>U. perdix</i> Lea. <i>biangulatus</i> Lea.
vi	253	<b>nigellus</b> Lea.	vi	254	<b>pellucidus</b> Lea.
vi	253	<b>niger</b> Raf. <i>U. incrassatus</i> Lea. <i>gibber</i> ? Lea.	vi	254	<b>penitus</b> Conr.
vi	253	<b>nigerrimus</b> Lea.			
vi	253	<b>nigrinus</b> Lea.			
vi	253	<b>nitens</b> Lea.			



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Vol.	Pa.	Name.	Vol.	Pa.	Name.
vi	254	<b>Unio perovatus.</b> <i>U. nux</i> Lea.			<i>U. Virginiana</i> Lam.
vi	254	<b>perovalis</b> Conr.			<i>Mya oblongata</i> Wood,
vi	254	<b>pernodosus</b> Lea.			<i>U. ochraceus</i> Desh., not
vi	255	<b>pectitus</b> Conr.			<i>radiatus</i> Con. [Say.
vi	255	<b>personatus</b> Say (fem'le). <i>U. capillaris</i> Lea. <i>pileus</i> Lea (male).	vi	256	<b>Unio Rangianus</b> Lea. [MS.
vi	255	<b>perstriatus</b> Lea.	vi	256	<b>Ravenelii</b> Conr. <i>U. confertus</i> Lea. <i>Watercensis</i> Lea.
vi	255	<b>Phillipsii</b> Conr.	vi	256	<b>rectus</b> Lam. [tio.] <i>U. latissima</i> Raf. ( <i>Ellip-</i> <i>prælongus</i> Barnes. <i>rectus</i> Knst. <i>Eurinea prælonga</i> Agas.
vi	255	<b>pictus</b> Lea.			<b>Reevianus</b> Lea. [MS.
vi	255	<b>pilaris</b> Lea.	vi	256	<b>reflexus</b> Raf. <i>U. cornutus</i> Barnes.
vi	255	<b>placitus</b> Lea.	vi	256	<b>regularis</b> Lea.
vi	255	<b>planilateris</b> Conr.	vi	256	<b>retusus</b> Lam. <i>U. torsa</i> Raf. <i>obtusa</i> Cuv.
vi	255	<b>plenus</b> Lea.	vi	257	<b>rivularis</b> Conr. [Say. <i>U. declivis</i> Conr., not
vi	255	<b>plexus</b> Conr. <i>U. pliciferus</i> Lea. <i>subtrapezius</i> Phillipi. <i>carbonarius</i> Lea.	vi	257	<b>Roanokensis</b> Lea.
vi	255	<b>Powellii</b> Lea.	vi	257	<b>rosaceus</b> De Kay.
vi	255	<b>politus</b> Say. <i>U. brevis</i> Lam. <i>olivarius</i> Raf., var. 2. <i>brevis</i> Crouch. <i>subrotundus</i> Lea, not <i>politus</i> Conr. [Raf.	vi	257	<b>rotundatus</b> Lam. <i>U. suborbiculata</i> Lam. <i>decorticata</i> Raf. <i>glebulus</i> Say. <i>subglobosus</i> Lea. <i>rotundatus</i> Lea.
vi	255	<b>Prevostianus</b> Lea.			<b>rubellus</b> Conr.
vi	255	<b>prasinus</b> Conr. <i>U. Schoolcraftensis</i> Lea. <i>nodiferus</i> Lea, not C.	vi	257	<b>ruber</b> Raf. <i>U. pyramidatus</i> Lea. <i>coccineus</i> Jay, not
vi	255	<b>productus</b> Conr.	vi	257	<b>rudis</b> Conr. [Hild. <i>U. Ravenelianus</i> Lea.
vi	255	<b>proximus</b> Lea.	vi	257	<b>rufusculus</b> Lea.
vi	255	<b>pullus</b> Conr. *	vi	257	<b>Rumphianus</b> Lea.
vi	255	<b>pulvinulus</b> Lea.	vi	257	<b>sagittiformis</b> Lea.
vi	255	<b>pumilus</b> Lea.	vi	257	<b>Sapotalensis</b> Lea.
vi	255	<b>puniceus</b> Hald.	vi	257	<b>saxeus</b> Conr.
vi	255	<b>purpuratus</b> Lam.? <i>U. ater</i> Lea. <i>lugubris</i> Say. <i>atra</i> Desh. <i>purpuratus</i> Lea. <i>Mya ventricosa</i> Soland.	vi	257	<b>satur</b> Lea.
vi	256	<b>purpurulatus</b> Say. <i>U. Medellinus</i> Lea.	vi	257	<b>securiformis</b> Conr.
vi	256	<b>pusillus</b> Lea.	vi	257	<b>semigranosus</b> V. d. Busc.
vi	256	<b>pygmaeus</b> Lea.	vi	257	<b>Shepardianus</b> Lea.
vi	256	<b>quadrolus</b> Raf. <i>U. asperrimus</i> Lea. <i>lachrymosus</i> Lea.	vi	257	<b>simus</b> Lea.
vi	256	<b>radiatus</b> Lam. <i>Mya radiata</i> Gmel. <i>Mya</i> Schrot. <i>radiata</i> Dillwyn. <i>pictorum tenuis</i> Chem.	vi	257	<b>sintoxia</b> Raf.
			vi	257	<b>sordidus</b> Lea.
			vi	257	<b>Sowerbianus</b> Lea.
			vi	257	<b>sparsus</b> Lea.
			vi	257	<b>spatulatus</b> Lea.
			vi	257	<b>spinosus</b> Lea.
			vi	257	<b>splendidus</b> Lea.

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Vol.	Pa.	Name	Vol.	Pa.	Name
vi	257	<b>Unio stagnalis</b> <i>Conr.</i>	vi	259	<b>Unio verrucosus</b> <i>Raf.</i>
vi	258	<b>stapes</b> <i>Lea.</i>			<i>U. tuberculatus</i> <i>Barnes.</i>
vi	258	<b>stegarius</b> <i>Raf.</i>	vi	259	<b>viridis</b> <i>Raf.</i>
		<i>U. irroratus</i> <i>Lea.</i>			<i>U. Tappanianus</i> <i>Lea.</i>
vi	258	<b>Stewardsonii</b> <i>Lea.</i>	vi	260	<b>vibex</b> <i>Conr.</i>
vi	258	<b>Stonensis</b> <i>Lea.</i>	vi	260	<b>Whiteanus</b> <i>Lea.</i>
vi	258	<b>stamineus</b> <i>Conr.</i>	vi	260	<b>Zeiglerianus</b> <i>Lea</i> ( <i>Zieg-</i>
vi	258	<b>striatus</b> <i>Lea.</i>			<i>lerianus?</i> )
vi	258	<b>strigosus</b> <i>Lea.</i>	vi	260	<b>Metaptera alata.</b>
vi	258	<b>subinflatus</b> <i>Conr.</i>			<i>Unio alata</i> <i>Say.</i>
		<i>U. Hopetonensis?</i> <i>Lea.</i>			<i>Symphynota alata</i> <i>Lea.</i>
vi	258	<b>subplanus</b> <i>Conr.</i>			<i>Unio alatus</i> <i>Lea.</i>
vi	258	<b>subrotundus</b> <i>Raf., y'ng.</i>			<i>M. megaloptera</i> <i>Raf.</i>
		<i>U. striatus</i> <i>Raf., old.</i>			<i>Lymnadia alata</i> <i>Swains.</i>
		<i>circulus</i> <i>Lea.</i>			<i>Unio alatus</i> <i>Kust.</i>
vi	258	<b>subtentus</b> <i>Say.</i>	vi	260	<b>fragilis.</b>
vi	258	<b>subrostratus</b> <i>Say.</i>			<i>Elliptio fragilis</i> <i>Raf.</i>
		<i>U. iris</i> <i>Lea.</i>			<i>Unio fragilis</i> <i>Swains.</i>
vi	258	<b>symmetricus</b> <i>Lea.</i>			<i>fragilis</i> <i>Say.</i>
vi	258	<b>Tampicoensis</b> <i>Lea.</i>			<i>gracilis</i> <i>Barnes.</i>
vi	258	<b>tæniatus</b> <i>Conr.</i>			<i>Symphynota gracilis</i> <i>Lea.</i>
		<i>U. pulcher</i> <i>Lea.</i>			<i>Unio gracilis</i> <i>Lea.</i>
vi	258	<b>Taitianus</b> <i>Lea.</i>	vi	260	<b>inflata.</b>
vi	258	<b>Tecomatensis</b> <i>Lea.</i>			<i>Symphynota inflata</i> <i>Lea.</i>
vi	258	<b>Tennesseensis</b> <i>Lea.</i>			<i>Unio inflatus</i> <i>Conr.</i>
vi	258	<b>tener</b> <i>Lea.</i>			<i>Alabamensis</i> <i>Conr.</i>
vi	258	<b>tenerus</b> <i>Ravenel.</i>	vi	260	<b>Ohiensis.</b>
		<i>U. tenebrosus</i> <i>Conr.</i>			<i>Lastena Ohiensis</i> <i>Raf.</i>
vi	258	<b>tetralasmus</b> <i>Say.</i>			<i>Unio laxissimus</i> <i>Lea.</i>
vi	259	<b>teres</b> <i>Raf.</i>	vi	260	<b>Plectomerus</b> <i>Conr.</i> (n. g.)
		<i>U. anodontoides</i> <i>Lea.</i>	vi	260	<b>atromarginatus.</b>
vi	259	<b>trabalis</b> <i>Conr.</i>			<i>Unio atromarginatus</i> <i>Lea.</i>
		<i>U. Troostensis</i> <i>Lea.</i>	vi	260	<b>Boykianus.</b>
vi	259	<b>trigonus</b> <i>Lea.</i>			<i>Unio Boykianus</i> <i>Lea.</i>
vi	259	<b>tortivus</b> <i>Lea.</i> [ <i>ria.</i> ]	vi	260	<b>costatus.</b>
vi	259	<b>torulosus</b> <i>Raf. (Obliqua-</i>			<i>Unio costatus</i> <i>Raf.</i>
		<i>U. gibbosus</i> <i>Raf.</i>			<i>undulatus</i> <i>Barnes.</i>
		<i>perplexus</i> <i>Lea.</i>			<i>latecostatus</i> <i>Lea.</i>
vi	259	<b>triqueter</b> <i>Raf.</i>	vi	261	<b>crassidens.</b>
		<i>U. triangularis</i> <i>Barnes.</i>			<i>Unio crassidens</i> <i>Lam.</i>
		<i>formosus</i> <i>Lea.</i>			<i>interruptus</i> <i>Say.</i>
		<i>triangularis</i> <i>Lea.</i>			<i>trapezoides</i> <i>Lea.</i>
vi	259	<b>truncatus</b> <i>Raf.</i>	vi	261	<b>Nicklinianus.</b>
		<i>U. elegans</i> <i>Lea.</i>			<i>Unio Nicklinianus</i> <i>Lea.</i>
vi	259	<b>trossulus</b> <i>Lea.</i>	vi	261	<b>perplicatus</b> <i>Conr.</i>
vi	259	<b>tuberosus</b> <i>Lea.</i>			<i>Unio atrocostatus</i> <i>Lea.</i>
vi	259	<b>tumescens</b> <i>Lea.</i>	vi	261	<b>plectophorus</b> <i>Conr.</i>
vi	259	<b>undatus</b> <i>Barnes.</i>	vi	261	<b>plicatus.</b>
vi	259	<b>unicolor</b> <i>Lea.</i>			<i>Unio plicatus</i> <i>Say.</i>
vi	259	<b>utriculus</b> <i>Lea.</i>			<i>Peruviana</i> <i>Lam.</i>
vi	259	<b>Vanuxemiensis</b> <i>Lea.</i>			<i>rarplicata</i> <i>Lam.</i>
vi	259	<b>Vaughnianus</b> <i>Lea.</i>			<i>Dombejanus</i> <i>Val.</i>
vi	259	<b>velatus</b> <i>Conr.</i>			<i>undulatus</i> <i>Desh.,</i>
vi	259	<b>venustus</b> <i>Lea.</i>			not <i>Barnes.</i>

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		<i>Unio multiplicatus</i> Desh., <i>crassus</i> Bar. [not Lea. <i>plicata</i> Swains. <i>Hippopæus</i> Lea.	vi	262	<b>Strophitus (Hemiodon)</b> <b>argenteus.</b> <i>Anadonta argentea</i> Lea.
vi	261	<b>Plectomerus Sloatianus.</b> <i>Unio Sloatianus</i> Lea. <i>plectophorus?</i> Con.	vi	262	<b>Arkansensis.</b> <i>Anod. Arkansensis</i> Lea.
vi	261	<b>Complanaria complanata.</b> <i>Alas. complanata</i> Barn. <i>Symph. complanata</i> Lea. <i>Unio complanata</i> Desh. <i>Katherina</i> Lea.	vi	262	<b>calceolus.</b> <i>Unio calceola</i> Lea. <i>Margaritana calceola</i>
vi	261	<b>costata.</b> <i>Alasm. costata</i> Raf. <i>rugosa</i> Barnes. <i>C. rugosa</i> Agas.	vi	263	<b>Curreyanus.</b> [Lea. <i>Marg. Curreyana</i> Lea.
vi	261	<b>compressa.</b> <i>Symph. compressa</i> Lea. <i>Unio compressus</i> Conr. <i>C. alasmodontina</i> Stimp.	vi	263	<b>deltoides.</b> <i>Marg. deltoidea</i> Lea.
vi	262	<b>Margaritana arcuata.</b> <i>Alasm. arcuata</i> Barnes. <i>M. margaritifera</i> Lea, not Lin. <i>arcuata</i> Stimp.	vi	263	<b>edentulus.</b> <i>Alasm. edentula</i> Say. <i>Anod. edentula</i> De Kay. <i>edentula</i> Lea. <i>areolata</i> Swains.
vi	262	<b>falcata</b> Gould.	vi	263	<b>Etowaeosis</b> Conr.
vi	262	<b>monodonta.</b> <i>Unio monodontus</i> Say. <i>Alasm. monodonta</i> Fer. <i>Unio Soleniformis</i> Lea.	vi	263	<b>fabula.</b> <i>Marg. fabula</i> Lea.
vi	262	<b>Alasmodonta arcula</b> Lea.	vi	263	<b>Hildrethianus.</b> <i>Marg. Hildrethiana</i> Lea.
vi	262	<b>confragosa</b> Say. <i>Unio confragosa</i> Desh. <i>Marg. confragosa</i> Lea.	vi	263	<b>Holstonia?</b> <i>Marg. Holstonia</i> Lea.
vi	262	<b>marginata</b> Say. <i>Unio varicosa</i> Lam. <i>Mya rugulosa</i> Wood. <i>Marg. marginata</i> Lea. <i>A. marginata</i> De Kay.	vi	263	<b>minor.</b> <i>Marg. minor</i> Lea.
vi	262	<b>truncata</b> Say, MS. <i>A. marginata</i> Auc.	vi	263	<b>radiatus</b> Conr. [Journ. <i>Alasm. radiata</i> Sillim. <i>Marg. radiata</i> Lea.
vi	262	<b>Leptodea lata</b> Raf. <i>Unio dehiscens</i> Say. <i>oriens</i> Lea. <i>dehiscens</i> Lea. <i>Anodonta lata</i> Fer. <i>Unio latus</i> Say.	vi	263	<b>Ravenellianus.</b> <i>Marg. Ravenellianus</i> Lea.
vi	262	<b>leptodon</b> Raf. <i>Unio leptodon</i> Say. <i>planus</i> Barnes. <i>An. purpurascens</i> Swain. <i>Symph. tenuissima</i> Lea. <i>Unio tenuissima</i> Lea.	vi	263	<b>Shæfferiana.</b> <i>Anod. Shæfferiana</i> Lea.
			vi	263	<b>tetragona.</b> <i>Anod. tetragona</i> Lea.
			vi	263	<b>unadilla</b> De Kay.
			vi	263	<b>undulatus.</b> <i>Anod. undulata</i> Say. <i>rugosa</i> Swains. <i>Pennsylvanica</i> Lam <i>S. undulatus</i> Stimp.
			vi	263	<b>virgatus</b> Conr. <i>Anod. Wardiana</i> Lea.
			vi	263	<b>Anodonta angulata</b> Lea.
			vi	263	<b>Benedictensis</b> Lea.
			vi	263	<b>Buchanensis</b> Lea.
			vi	263	<b>Californiensis</b> Lea.
			vi	263	<b>cataracta</b> Say. <i>A. fluvialilis</i> Lea.
			vi	263	<b>cognata</b> Gould.
			vi	263	<b>Couperiana</b> Lea.
			vi	263	<b>cylindracea</b> Lea.
			vi	263	<b>decora</b> Lea.

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vi	263	<b>Anodonta declivis</b> <i>Conr.</i>	vi	264	<b>Anodonta Stewartiana</b>
		<i>A. plana</i> <i>Lea.</i>			<i>Lea.</i>
vi	264	<b>denigrata</b> <i>Lea.</i>	vi	264	<b>suborbiculata</b> <i>Say.</i>
vi	264	<b>excurvata</b> <i>De Kay.</i>	vi	264	<b>subcylindracea</b> <i>Lea.</i>
vi	264	<b>fragilis</b> <i>Lam.</i>	vi	264	<b>subveza</b> <i>Conr.</i>
vi	264	<b>ferruginea</b> <i>Lea.</i>	vi	264	<b>teres</b> <i>Conr.</i>
vi	264	<b>Ferussaciana.</b>	vi	264	<b>virens</b> <i>Lea.</i>
vi	264	<b>Footiana</b> <i>Lea.</i>	vi	264	<b>Wahlamatensis</b> <i>Lea.</i>
vi	264	<b>gibbosa</b> <i>Say.</i>			Notes on—
vi	264	<b>gigantea</b> <i>Lea.</i>	vi	264	<b>Unio asper.</b>
vi	264	<b>glauca</b> <i>Valen.</i>	vi	264	<b>cariosus.</b>
vi	264	<b>grandis</b> <i>Say.</i>	vi	265	<b>cerinus.</b>
		<i>A. corpulenta</i> <i>Coop., MS.</i>	vi	265	<b>complanatus</b> <i>Soland.</i>
vi	264	<b>Harpenthis</b> <i>Lea.</i>	vi	265	<b>ciava.</b>
vi	264	<b>imbecilis</b> <i>Say.</i>	vi	265	<b>nodiferus</b> <i>Conr.</i>
		<i>A. incerta</i> <i>Lea.</i>	vi	265	<b>ochraceus</b> <i>Say.</i>
vi	264	<b>implicata</b> <i>Say.</i>	vi	265	<b>obliquus</b> <i>Lam.</i>
		<i>A. Newtonensis</i> <i>Lea.</i>	vi	265	<b>plexus</b> <i>Conr.</i>
vi	264	<b>impura</b> <i>Say.</i>	vi	265	<b>prasinus</b> <i>Conr.</i>
vi	264	<b>Linneana</b> <i>Lea.</i>	vi	266	<b>purpuratus</b> <i>Lam.</i>
vi	264	<b>lugubris</b> <i>Say.</i>	vi	266	<i>quadrulus</i> is not <b>U. rugosus</b> <i>Barnes.</i>
vi	264	<b>Marryattana</b> <i>Lea.</i>	vi	266	<b>undatus.</b>
vi	264	<b>marginata</b> <i>Say.</i>	vi	266	<b>undulatus</b> <i>Barnes.</i>
vi	264	<b>Nuttalliana</b> <i>Lea.</i>	vi	266	<b>viridis</b> <i>Raf.</i>
vi	264	<b>oblita</b> <i>Lea.</i>	vi	266	<b>Anodonta cataracta</b> <i>Say.</i>
vi	264	<b>opaca</b> <i>Lea.</i>	vi	266	<i>marginata</i> <i>Say.</i>
vi	264	<b>Oregonensis</b> <i>Lea.</i>	vi	267	<b>Unio cuneatus</b> <i>Raf.</i>
vi	264	<b>ovata</b> <i>Lea.</i>	vi	267	<b>fasciolus</b> <i>Raf.</i>
vi	264	<b>pavonia</b> <i>Lea.</i>	vi	267	<b>simplex</b> <i>Lea.</i>
vi	264	<b>Pepiniana</b> <i>Lea.</i>	vi	267	<b>triangularis</b> <i>Raf.</i>
vi	264	<b>plicata</b> <i>Hald.</i>			
vi	264	<b>salmonia</b> <i>Lea.</i>			

Table showing the geographical range of the Families Unionidæ, Muteladæ, and Mycetopodidæ, and some of the genera and subgenera.

ASIA.

Family **Unionidæ.**

SUBGENERA.

- vi 267 **Nala** *Swains.*
- vi 267 **Lanceolaria** *Conr.*
- vi 267 **Monodontina** *Conr.*

GENERA.

- vi 267 **Barbala** *Humph.*
- vi 267 **Hyriopsis** *Conr.*
- vi 267 **Nodularia** *Conr.*

EUROPE.

SUBGENERA.

- vi 267 **Mysca** *Turton.*
- vi 267 **Potamida** *Swains.*

AFRICA.

Family **Muteladæ.**

- vi 267 **Mutela** *Scopoli.*
- vi 267 **Iridella** *Conr.*
- vi 267 **Pleiodon** *Conr.*
- vi 267 **Calliscapha** *Swains.*  
*Spatha* *Lea.*

Family **Unionidæ.**

SUBGENUS.

- vi 267 **Cælatura** *Conr.*

AUSTRALIA.

Family **Unionidæ.**

- vi 267 **Hyridella** *Swains.*

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vi	267	<i>Parreysia</i> <i>Conr.</i> <i>U. multidentatus</i> Parreyss.			<b>SOUTH AMERICA.</b>
vi	267	<i>Cucumaria</i> <i>Conr.</i>			Family <b>Muteladae.</b>
		<b>NORTH AMERICA.</b>			<b>GENERA.</b>
		Family <b>Unionidae.</b>	vi	267	<i>Lella</i> <i>Gray.</i>
		<b>SUBGENERA.</b>	vi	267	<i>Paxyodon</i> <i>Schum.</i>
vi	267	<i>Eurinea</i> <i>Raf.</i>	vi	267	<i>Prisodon</i> <i>Schum.</i>
vi	267	<i>Lampsilis</i> <i>Raf.</i>			<b>SUBGENUS.</b>
vi	267	<i>Canthyrta</i> <i>Swains.</i>	vi	267	<i>Iridea</i> <i>Swains.</i>
vi	267	<i>Theliderma</i> <i>Swains.</i>			Fam. <b>Mycetopodidae.</b>
vi	267	<i>Cunicula</i> <i>Swains.</i>	vi	267	<i>Mycetopus</i> <i>D'Orb.</i>
		<b>GENERA.</b>			Family <b>Unionidae.</b>
vi	267	<i>Metaptera</i> <i>Raf.</i>			<b>GENERA.</b>
vi	267	<i>Strophitus</i> <i>Raf.</i>	vi	267	<i>Lamproscapha</i> <i>Swains.</i>
vi	267	<i>Lastena</i> <i>Raf.</i>	vi	267	<i>Monocondylæa</i> <i>D'Orb.</i>
vi	267	<i>Complanaria</i> <i>Swains.</i>	vi	267	<i>Byssodonta</i> <i>D'Orb.</i>
vi	267	<i>Alasmodonta</i> <i>Say.</i>			<b>SUBGENUS.</b>
			vi	267	<i>Corrugaria</i> <i>Conr.</i>
					<b>SUBGENERA OF UNIO.</b>
		<b>NODULARIA</b> <i>CONR.</i>			<b>GLEBULA</b> <i>CONR.</i>
vi	268	<i>Unio Douglasiæ</i> <i>Gray.</i>			Louisiana.
		<b>IRIDEA</b> <i>SWAINS.</i>	vi	268	<i>Unio rotundatus</i> <i>Lam.</i>
vi	268	<i>Unio granosus</i> <i>Lam.</i>			<b>UNIOMERUS</b> <i>CONR.</i>
vi	268	<i>solsiana</i> <i>D'Orb.</i>			Southern States.
vi	268	<i>Paranensis</i> <i>Lea.</i>	vi	268	<i>Unio declivis.</i>
vi	268	<i>rhuacica</i> <i>D'Orb.</i>	vi	268	<i>camptodon.</i>
vi	268	<i>Fontainiana</i> <i>D'Orb.</i>	vi	268	<i>subroceus.</i>
vi	268	<i>hylæa</i> <i>D'Orb.</i>	vi	268	<i>Sayii.</i>
vi	268	<i>Guaraniana</i> <i>D'Orb.</i>	vi	268	<i>rivularis.</i>
vi	268	<i>Matoniana</i> <i>D'Orb.</i>	vi	268	<i>perrectus.</i>
vi	268	<i>Psammoica</i> <i>D'Orb.</i>	vi	268	<i>symmetrical.</i>
vi	268	<i>charruana</i> <i>D'Orb.</i>	vi	268	<i>excultus.</i>
		<b>MYSKA</b> <i>TURTON.</i>			<b>THELIDERMA</b> <i>SWAINS.</i>
vi	268	<i>Unio pictorum.</i>	vi	269	<i>Unio Phillipsea.</i>
		<b>LANCIBOLARIA</b> <i>CONR.</i>	vi	269	<i>fragosus, &amp;c.</i>
vi	268	<i>Unio Grayanus</i> <i>Lea.</i>			<b>LAMPSILIS</b> <i>RAF.</i>
		<b>CELATURA</b> <i>CONR.</i>	vi	269	<i>Unio ochraceus.</i>
vi	268	<i>Unio Ægyptiacus</i> <i>Caill.</i>	vi	269	<i>ovatus, &amp;c.</i>
		<b>CUNICULA</b> <i>SWAINS.</i>			<b>EURINEA</b> <i>RAF.</i>
		North America.	vi	269	<i>Unio nasutus, &amp;c.</i>
vi	268	<i>Unio fasciolaris.</i>			<b>PROPOSED NEW GENERA.</b>
vi	268	<i>lineolatus.</i>			<b>CUCUMARIA</b> <i>CONR.</i>
vi	268	<i>Eastbrookianus.</i>	vi	269	<i>Unio cucumoides</i> <i>Lea.</i>
vi	268	<i>subtentus.</i>			<b>HYRIOPSIS</b> <i>CONR.</i>
vi	268	<i>coelatus.</i>			
vi	268	<i>arcus, &amp;c.</i>	vi	269	<i>Unio delphinus</i> <i>Gruner.</i>

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			vi	269	<i>capax</i> Green ( <i>Symphynota globosa</i> Lea).
			vi	269	<i>capsæformis</i> Lea. [rus.]
			vi	269	metanever read <i>U. metaneu-</i>
April, 1853.					
Vol.	Page.	<b>Conrad.</b> —Monograph of the genus <i>Fulgur</i> : by T. A. CONRAD.			
vi	316				
		Name.	Locality.		
vi	319	<b>Fulgur carica</b> ( <i>Murex</i> ) Gmelin. <i>Pyrula carica</i> Lam.	Georgia to Mass.		
		<i>aruana</i> Rve. non L.			
vi	319	<b>canaliculatum</b> ( <i>Pyrula</i> ) Lam. <i>Buccinum ampullaceum</i> Lister. <i>Murex canaliculatus</i> L. <i>Pyrula canaliculata</i> Rve.	N. J., R. I., Mass.		
vi	319	<b>perversum</b> ( <i>Murex</i> ) Linn. <i>Buccinum</i> , &c. Lister. <i>Pyrula perversa</i> Lam.	Southern coast.		
vi	319	<b>pyrum</b> ( <i>Bulla</i> Dillw.) <i>Buccinum</i> , &c. Lister. <i>Bulla fies</i> β Gmelin. <i>Pyrula spirata</i> Lam., Rve. <i>F. pyruloides</i> Say. <i>Pyrula spirata</i> Rve.	Southern coast of Fla.		
vi	319	<b>candelabrum</b> ( <i>Pyrula</i> ) Lam.			
vi	319	<b>gibbosum</b> Conrad. <i>Pyrula perversa</i> Kiener (var.)	Campeachy? U. S.?		
<b>T. A. Conrad.</b> —Notes on Shells.					
vi	320	<b>Dreissena leucophæatus</b> Conrad. <i>Mytilus leucophæatus</i> Conrad.	Virginia.		
vi	320	<b>Artemis concentrica.</b> <i>A. acetabulum</i> Conrad (fossil). <i>Venus concentrica</i> Born.	Florida.		
vi	320	<b>elegans</b> Conrad. <i>A. concentrica</i> Rve. non Born.	Florida.		
vi	220	<b>discus</b> Reeve [Born.] <i>Cytherea concentrica</i> Chenu non	S'rn and Middle States.		
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vi	448	<b>Conrad.</b> —Synopsis of the genus <i>Cassidula</i> Humphr., and of a proposed new genus <i>Athleta</i> : by T. A. CONRAD. [The only American species.—W. G. B.]			
vi	449	<b>Cassidula corona.</b> <i>Pyrula patula</i> Brod. <i>Murex corona</i> Gmelin. <i>Fusus corona</i> Lam. <i>Buccinum ornatum</i> Say. <i>Melongena corona.</i>	Florida.		

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vi	449	<b>Unio perobliquus</b> Conrad.			
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vi	449	<b>Stroph. Etowaensis.</b>			
vi	449	<b>Monodontina Buschiana</b> Conrad. <i>Margarita Von der Buschiana</i> Lea.			
vi	449	<b>Unio pectitus</b> = <b>Scalenaria</b> Agassiz.			
vi	449	<b>Aberti</b> = <b>Crypogenia</b> Agassiz.			
vi	449	<i>fragosus</i>	} = <b>Quadrula</b> Agassiz.		
vi	449	<i>nobilis</i>			
vi	449	<i>apiculatus</i>			
Mar.	1854.	<b>Conrad.</b> —Notes on Shells, with descriptions of three recent and one fossil species: by T. A. CONRAD.			
vii	31	<b>Gnathodon rostratum</b> Petit = <b>G. flexuosum.</b>			
vii	31	<i>trigonum</i> Petit = <b>G. Lecontei</b> Conrad?			
vii	31	<b>Trigonella</b> Conrad = <b>Pachydesma.</b>			
vii	31	<b>Dolum album</b> Conrad.			
vii	32	<b>Alasmodonta</b> ——— Conrad.			
Dec.	1854.	<b>Lea.</b> —Rectification of Mr. T. A. Conrad's Synopsis of the Family of Naiades, &c.: by ISAAC LEA.			
vii	236	[Mr. LEA's views of synonymy being included in his synopsis, are not quoted here. As regards errors of dates, the following are specified.—W. G. B.]			
		Name.	Mr. Conrad's date.	Mr. Lea's date of reading.	Mr. Lea's date of distribution.
vii	242	<b>Unio lanceolatus</b> Lea.	1832 }	1827	1828
vii	242	<i>irroratus</i> Lea.	1832 }		
vii	243	<i>occidens</i> Lea.	1832 }	1829	1829
vii	243	<i>rubiginosus</i> Lea.	1832 }		
		&c.			
Jan.	1855.	<b>Conrad.</b> —Descriptions of three new species of Unio: by T. A. CONRAD.			
		Name.	Locality.		
vii	256	<b>Unio grandensis</b> Conrad.	Rio Grande, Texas.		
vii	256	<b>Taumilapasensis</b> Conrad.	San Juan riv., Taumila-		
vii	256	<b>Pearlensis</b> Conrad.	Pearl riv., Miss. [pas.]		
Feb.	1855.	<b>Conrad.</b> —Description of a new species of Melania: by T. A. CONRAD.			
vii	269	<b>Melania exigua</b> Conrad.	[Colorado Des., Cal.		
Apr.	1856.	<b>Lea.</b> —Descriptions of new Fresh-water Shells from California: by ISAAC LEA.			
viii	80	<b>Pompholyx</b> Lea (n. g.)			
viii	80	<i>effusa</i> Lea.	Sacramento riv., Cal.		
viii	80	<b>Melania Shastaensis</b> Lea.	Shasta & Scott riv., Cal.		
viii	80	<i>nigrina</i> Lea.	Clear cr., Shasta Co., Ca.		

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viii	80	<i>Physa triticea</i> Lea.	Shasta County, Cal.
viii	80	<i>Planorbis Traskii</i> Lea.	Kern lke., Tulan Co., Ca.
viii	80	<i>Lymnæa proxima</i> Lea.	Arroya S. Antonio, Ca.
viii	80	<i>Ancylus patelloides</i> Lea.	Sacramento river, Cal.
		Notes on—	
viii	80	<i>Margaritana margaritifera</i> Lea. <i>Alusmodonta fulcata</i> Gould.	Klamath and Yuba.
		<i>Yubænsis</i> Trask.	
viii	81	<i>Anodonta Wahlamatensis</i> Lea. <i>A. triangulata</i> Trask. <i>rotundovata</i> Trask.	Sacramento river.
viii	81	<i>angulata</i> Lea. <i>A. f. minialis</i> Gould. <i>Randalli</i> Trask.	Upper San Joaquin. [Co., Cal.]
viii	81	<i>Helix Oregonensis</i> Lea.	P't Cypress, Monterey
viii	81	<i>Nickliniana</i> Lea.	Tomales Bay & Dead Man's Island.
viii	81	<i>Californiensis</i> Lea.	Point Cypress.
viii	81	<i>Lymnæa exigua</i> Lea.	San Antonio Arroya.
viii	81	<i>pallida</i> Adams.	San Antonio Arroya.
viii	81	<i>Physa heterostropha</i> Say.	Los Angeles.
viii	81	<i>Melania occata</i> Hinds.	Sacramento river.
viii	81	( <i>Paludina</i> ) <i>seminalis</i> Hinds.	Sacramento river.
viii	81	<i>Planorbis trivolvis</i> Say.	Horn lake. [Valley.
viii	81	<i>ammon</i> Gould.	Lagoons, Sacramento
viii	92	Lea.—Descriptions of twenty-four new species of Exotic Uniones: by ISAAC LEA.	
viii	95	<i>Unio umbrosus</i> Lea.	[Medellin river, Mex.
May,	1856.	Lea.—Descriptions of four new species of Exotic Uniones: by ISAAC LEA.	
viii	103	<i>Unio Coloradoensis</i> Lea.	[Rio Colorado, Texas
Aug.	1856.	Lea.—Descriptions of fifteen new species of Exotic Melaniana: by ISAAC LEA.	
viii	145	<i>Melania rubida</i> Lea.	[Mexico.
Sept.	1856.	Lea.—Description of the byssus in the genus Unio: by ISAAC LEA.	
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Nov.	1856.	Lewis.—List of Mollusca in Little Lakes, Otsego County, New York: in a letter from Dr. JAMES LEWIS.	

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viii 259	<i>Unio radiatus</i> Lam.	viii 259	<i>Pisidium ventricosum</i>
viii 259	<i>Anodonta</i> ——— ?		( <i>? obtusale</i> Pfr.) [ <i>Prime.</i>
viii 259	<i>Cyclas similis</i> Say.	viii 259	<i>Lymnæa gracilis</i> Jay.
viii 259	<i>rhomboldea</i> Say.	viii 259	<i>columella</i> Say.
viii 259	<i>crocea</i> Say.	viii 259	<i>appressa</i> Say.
viii 259	<i>Pisidium variabile</i> Prime.	viii 260	————— ?
viii 259	<i>compressum</i> Prime.	viii 260	<i>disidiosa</i> Say.



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viii	260	<i>Lymnæa humilis</i> Say.	viii	260	<i>Ancylus</i> ———.
viii	260	<i>Planorbis trivolvis</i> Say.	viii	260	—————.
viii	260	var. <i>corpulentus</i> .	viii	260	<i>Paludina decisa</i> Say.
viii	260	<i>campanulatus</i> Say.	viii	260	<i>Amnicola limosa</i> Say.
viii	260	<i>bicarinatus</i> Say.	viii	260	(Pal.) <i>pallida</i> Lea?
viii	260	<i>hirsutus</i> Say.	viii	260	<i>Valvata tricarinata</i> Say.
viii	260	<i>deflectus</i> Say.	viii	260	var. <i>bicarinata</i> Lea.
viii	260	<i>parvus</i> Say.	viii	260	<i>sincera</i> Say.
viii	260	<i>Physa heterostropha</i> S.	viii	260	<i>striata</i> Lewis.
<p><b>Lea.</b>—Descriptions of eleven new species of Exotic Uniones from Georgia: by ISAAC LEA.  [For localities, vide "Journ. Acad. Nat. Sci. of Philad."—W. G. B.]</p>					
viii	262	<i>Unio Elliottii</i> Lea.	viii	262	<i>Unio vicinus</i> Lea.
viii	262	<i>gracillor</i> Lea.	viii	262	<i>subellipsis</i> Lea.
viii	262	<i>pullatis</i> Lea.	viii	262	<i>geminus</i> Lea.
viii	262	<i>favosus</i> Lea.	viii	262	<i>rostriformis</i> Lea.
viii	262	<i>rutilans</i> Lea.	viii	263	<i>Blandianus</i> Lea.
viii	262	<i>errans</i> Lea.			

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Feb.	<b>W. G. Binney.</b> —Descriptions of American Land Shells: by W. G. BINNEY.	
18	<i>Helix interorsa</i> W. G. Binney.	Oregon.
19	<i>H. Nickliniana</i> Binney (var.)	
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<p><b>Lea.</b>—Descriptions of thirteen new species of Uniones from Georgia: by ISAAC LEA.  [For localities, vide "Journ. Acad. Nat. Sci. of Philad."—W. G. B.]</p>		
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83	<b>Florentinus</b> <i>Lea.</i>	83	<b>Thorntoni</b> <i>Lea.</i>
83	<b>biemarginatus</b> <i>Lea.</i>	83	<b>Mooreianus</b> <i>Lea.</i>
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84	<b>Unio pinguis</b> <i>Lea.</i>	84	<b>Unio Texasiensis</b> <i>Lea.</i>
84	<b>Higginsii</b> <i>Lea.</i>	84	<b>Anodonta Lewisii</b> <i>Lea.</i>
84	<b>Abbevillensis</b> <i>Lea.</i>	84	<b>lacustris</b> <i>Lea.</i>
84	<b>Jamesianus</b> <i>Lea.</i>	84	<b>modesta</b> <i>Lea.</i>
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85	<b>Unio Poeyanus</b> <i>Lea.</i>	85	<b>Unio Canadensis</b> <i>Lea.</i>
85	Coyucan, Mex.		Montreal.
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85	<b>Unio Wheatleyi</b> <i>Lea.</i>	86	<b>Unio spadiceus</b> <i>Lea.</i>
85	<b>percoarctatus</b> <i>Lea.</i>	86	<b>insulsus</b> <i>Lea.</i>
85	<b>gracilentus</b> <i>Lea.</i>	86	<b>striatulus</b> <i>Lea.</i>
85	<b>micans</b> <i>Lea.</i>	86	<b>macer</b> <i>Lea.</i>
85	<b>Genthii</b> <i>Lea.</i>	86	<b>contractus</b> <i>Lea.</i>
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101	<b>Unio spinosus.</b>		
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101	<b>Unio Berlandierii</b> <i>Lea.</i>	102	<b>Helix (Polygyra) Couchiana</b> <i>Lea.</i>
102	<b>Popelli</b> <i>Lea.</i>		
102	<b>Bairdianus</b> <i>Lea.</i>	102	<b>Tamaulipasensis</b> <i>Lea.</i>
102	<b>Anodonta Henryiana</b> <i>Lea.</i>		
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104	<b>Unio umbrosus</b> = <b>U. umbrans</b> <i>Lea.</i>		
104	<b>Wheatleyi</b> = <b>U. Catawbensis</b> <i>Lea.</i>		
June.	<b>Conrad.</b> —Descriptions of two new genera of Shells: by T. A. CONRAD.		
165	<b>Gonidea</b> <i>Conr.</i> (n. g.)	165	2 <b>Gonidea feminalis</b> <i>Gld.</i>
165	1 <b>Randallii</b> <i>Trask.</i>		<b>Anodon feminalis</b> <i>Gld.</i>
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	<b>Conrad.</b> —Description of a new genus of the Family Dreis- seniids: by T. A. CONRAD.	
167	<b>Mytilopsis</b> Conrad (nov. gen.)	Virginia.
167	<i>leucophæatus</i> Conrad.	
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169	<b>Unio subgibbosus</b> Lea.	171
169	<b>Savannahensis</b> Lea.	171
169	<i>virens</i> Lea.	171
169	<i>sublatus</i> Lea.	171
169	<i>obnubilus</i> Lea.	171
169	<i>opacus</i> Lea.	171
169	<i>similis</i> Lea.	171
170	<i>æquatus</i> Lea.	171
170	<i>naviculoides</i> Lea.	172
170	<i>viridicatus</i> Lea.	172
170	<i>subflavus</i> Lea.	172
170	<i>sudus</i> Lea.	172
170	<i>tetricus</i> Lea.	172
170	<b>Woodwardius</b> Lea.	
	Name.	Name.
	<b>Unio tenebricus</b> Lea.	
	<i>rufus</i> Lea.	
	<i>modicus</i> Lea.	
	<i>denigratus</i> Lea.	
	<i>fumatus</i> Lea.	
	<i>purpurellus</i> Lea.	
	<i>penicillatus</i> Lea.	
	<i>Plantii</i> Lea.	
	<i>subniger</i> Lea.	
	<i>bulbosus</i> Lea.	
	<b>Maconensis</b> Lea.	
	<i>obfuscus</i> Lea.	
	<i>aquilus</i> Lea.	
Oct.	<b>W. G. Binney.</b> —Notes on American Land Shells, No. 2: by W. G. BINNEY.	
	Name.	Locality.
183	<b>Helix (Polygyra) acute-dentata</b> W. G. Binney.	Sinaloa, Mexico.
183	( <b>Polygyra</b> ) <i>Loisa</i> W. G. Binney.	Sinaloa, Mexico.
184	<i>Mooreana</i> W. G. Binney.	Washington Co., Tex.
185	<i>cultellata</i> Thompson.	Contra Costa Co., Cal.
185	<i>anachoreta</i> W. G. Binney.	California.
185	<i>aruginosa</i> Gld. prec. = <i>H. arrosa</i> Gld.	
186	<i>tholus</i> W. G. Binney ( <i>Polygyra</i> ).	Texas.
186	<i>kopnodes</i> W. G. Binney.	Alabama.
187	<i>friabilis</i> W. G. Binney.	Illinois.
187	<i>redimita</i> W. G. Binney.	California? Oregon?
188	<b>Bulimus Dormanii</b> W. G. Binney.	St. Augustine, Fla.
189	<b>Glandina corneola</b> W. G. Binney.	Florida?
189	<i>parallela</i> W. G. Binney.	Louisiana.
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198	<b>Helix Dupetitthouarsi</b>	189
188	<i>labiosa</i> Gould. [Desh.]	189
188	<b>Californiensis</b> Lea.	189
188	<i>sportella</i> Gould.	180
188	<i>loricata</i> Gould.	189
189	<b>Rugeli</b> Shuttl.	190
	Name.	Name.
	<b>Helix mordax</b> Shuttl.	
	<i>multilineata</i> Say.	
	<i>clausa</i> Say.	
	<i>vineta</i> Val.	
	<i>dentifera</i> Binney.	
	<i>Nuttalliana</i> Lea.	

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190	<i>Helix Vancouverensis</i>	191	<i>Helix Buffoniana</i> Pfr.
190	<i>egena</i> Say. [Lea.]	191	<i>inflecta</i> Say.
190	<i>fallax</i> Say.	191	<i>polychroa</i> Binney.
190	<i>minutissima</i> Lea.	191	<i>selenina</i> Gould.
190	<i>costata</i> Müll.	191	<i>tenuistriata</i> Binney.
190	<i>glaphyra</i> Say.	191	<i>auriculata</i> Say.
190	<i>saxicola</i> Gld. non Pfr.	192	<i>elevata</i> Say.
190	<i>lucubrata</i> Binney non	192	<i>stenotrema</i> Fer.
190	<i>subplana</i> Binn. [Say.]	192	<i>Bulimus dealbatus</i> Say.
190	<i>intertexta</i> Binney.	192	<i>Achatina pellucida</i> Pfr.
191	<i>septemvolva</i> Say.	192	<i>Bulimus virgulatus</i> Pfr.
191	<i>suppressa</i> Say.	192	<i>Glandina truncata</i> Binney.
191	<i>plicata</i> Say.	192	<i>Helicina orbiculata</i> Say.
191	<i>leporina</i> Gould.	192	<i>chrysochella</i> Binney.
191	<i>maxillata</i> Gould.		
193	Notes on Say's types of American Land Shells in the Academy's collection.		
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13, 14	I. Lea.—Notes on the Geographical distribution of—		
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14	<i>Unio rubiginosus</i> Lea.	43° N., 37° W. and 50° N., and Fort Clark, Upper Missouri, &c.	
14	<i>luteolus</i> Lam.		
14	<i>lævissimus</i> Lea.		
14	<i>occidens</i> Lea.		
14	<i>anodontoides</i> Lea.		
14	<i>asperrimus</i> Lea.		
14	<i>elegans</i> Lea.		
14	<i>rectus</i> Lam.		
14	<i>zigzag</i> Lea.		
14	<i>alatus</i> Say.		
14	<i>undulatus</i> Barnes.		
14	<i>Anodonta Ferussaciana</i> Lea.		
14	<i>decora</i> Lea.		
14	<i>Margaritana complanata</i> Lea.		
	Lea.—Descriptions of new species of <i>Unio</i> from Tennessee, Alabama, and North Carolina: by ISAAC LEA.		
40	<i>Unio turgidulus</i> Lea.	Cumberland riv., Ten. and Florence, Ala.	
40	<i>perradiatus</i> Lea.	Florence, Ala.	
40	<i>Meredithii</i> Lea.	Tenn. r., Florence, Ala.	
40	<i>Pybasii</i> Lea.	Tenn. r., Florence, Ala.	
40	<i>virescens</i> Lea.	Tenn. r., Florence, Ala.	
41	<i>Neusensis</i> Lea.	Neuse river, N. C.	
41	<i>purus</i> Lea.	Neuse river, N. C.	
41	<i>exacutus</i> Lea.	Neuse river, N. C.	

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	<b>Lea.</b> —Descriptions of a new <i>Helix</i> and two new <i>Planorbis</i> : by ISAAC LEA.	
41	<i>Helix Clarkii</i> Lea.	Cherokee Co., N. C.
41	<i>Planorbis Wheatleyi</i> Lea.	Montgomery Co., Ala.
41	<i>Newberryi</i> Lea.	Klamath lake & Canoe creek, Cal.
May.		
114	<b>Lea.</b> —Observations on the Anatomy of <i>Unio</i> : by ISAAC LEA.	
	<b>W. G. Binney.</b> —Notes on American Land Shells, No. 3: by W. G. BINNEY.	
114	<i>Succinea Haydeni</i> W. G. Binney.	Nebraska.
115	<i>Helix Cooperi</i> W. G. Binney.	Nebraska.
115	<i>Newberryana</i> W. G. Binney.	California.
116	<i>Bulimus patriaroha</i> W. G. Binney.	Buena Vista.
June.		
135	<b>I. Lea.</b> —Anatomy of— <i>Unio rubiginosus</i> Lea.	
	<b>Lea.</b> —Descriptions of seven new species of <i>Margaritana</i> and four new species of <i>Anadonta</i> : by ISAAC LEA.	
138	<i>Margaritana Elliottii</i> Lea.	Georgia.
138	<i>triangulata</i> Lea.	[For localities, vide quotations from Jour.]
138	<i>Connasaugaensis</i> Lea.	
138	<i>Etowahensis</i> Lea.	
138	<i>Gesnerii</i> Lea.	
138	<i>Tombecheensis</i> Lea.	
138	<i>Spillmani</i> Lea.	
138	<i>Anodonta Hallenbeckii</i> Lea.	
139	<i>Gesnerii</i> Lea.	
139	<i>Dariensis</i> Lea.	
139	<i>Danielii</i> Lea.	
July.		
	<b>Lea.</b> —Descriptions of twelve new species of <i>Uniones</i> and other Fresh-water Shells of the United States: by ISAAC LEA.	
165	<i>Unio Boswellensis</i> Lea.	Georgia, vide Journal.
165	<i>Postellii</i> Lea.	Georgia, vide Journal.
165	<i>Neisleri</i> Lea.	Georgia, vide Journal.
166	<i>Prattii</i> Lea.	Georgia, vide Journal.
166	<i>Chattanoogaensis</i> Lea.	Georgia, vide Journal.
166	<i>Downiei</i> Lea.	Georgia, vide Journal.
166	<i>Satillaensis</i> Lea.	Georgia, vide Journal.
166	<i>Haselhurstianus</i> Lea.	Georgia, vide Journal.
166	<i>Melania Postellii</i> Lea.	Georgia.
166	<i>Paludina Elliottii</i> Lea.	Georgia.
166	<i>Lymnea Haydenii</i> Lea.	Yellowstone.
166	<i>Anoyius Newberryi</i> Lea.	Klamath lake, Cal.

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	[The cross references of synonyms in the following catalogues are omitted.—W. G. B.]		
	I.	198 29	<b>Helix Pandoræ</b> Forb.
	Familia <b>Limacea.</b>	198 30	<i>H. damascenus</i> Gould.
197 1	<b>Arion foliatus</b> Gould.	198 31	<b>ramentosa</b> Gould.
197 2	<b>Limax Columbianus</b> Gould.	198 32	<b>redemita</b> W. G. Binn.
	Familia <b>Helicea.</b>	198 33	<i>H. Nickliniana</i> (var.) Binn.
197 3	<b>Succinea cingulata</b> Forbes.	198 32	<b>reticulata</b> Pfr.
197 4	<b>Nuttalliana</b> Lea.	198 33	<b>sportella</b> Gould.
197 5	<b>Oregonensis</b> Lea.		SPECIES EXCLUSA.
197 6	<b>rusticana</b> Gould.	198	<i>Helix Sagraiana</i> Orb.
	SPECIES EXCLUSA.	198 34	<b>Bulimus Californicus</b> Ree.
197	<b>Succinea aperta</b> Lea.	198 35	<b>chordatus</b> Pfr.
197 7	<b>Helix acutedenta</b> W. G. Binn.	198 36	<b>excelsus</b> Gould.
	? var. $\beta$ <b>H. Loisa</b> W. G. B.	198 37	<i>B. elatus</i> Gould, in tab.
197 8	<b>anachoreta</b> W. G. Binn.	198 37	<b>Humboldti</b> Ree.
197 9	<b>areolata</b> Pfr.		<i>B. Mexicanus</i> Val., neo Lam.
197 10	<b>arrosa</b> Gould in litteris.		<i>Mexicanus</i> Pfr. (excl. <i>B. Mexicanus</i> Val.)
	<i>H. æruginosa</i> Gould.	198 38	<b>Laurentii</b> Sowb.
197 11	<b>aspera</b> Müll.?	198 39	<b>Mexicanus</b> Lam.
197 12	<b>Californiensis</b> Lea.	198 40	<i>Cochlogena vittata</i> Fer.
	<i>H. vineta</i> Val.	198 41	<b>vegetus</b> Gould.
197 13	<b>Columbiana</b> Lea.	198 42	( <i>B. pallidior</i> Sowb.)
	<i>H. labiosa</i> Gould.	198 43	<b>vesicalls</b> Gould.
197 14	<b>devia</b> Gould.	198 44	<b>zebra</b> Müll.
	<i>H. Baskervillei</i> Pfr.	198 44	<b>Ziegleri</b> Pfr.
197 15	<b>Dupetithouarsi</b> Desh.		<b>Achatina Californica</b> Pfr.
	<i>H. Oregonensis</i> (junior) Lea.		SPECIES EXCLUSA.
197 16	<b>exarata</b> Pfr.?	198	<i>Achatina Albersi</i> Pfr. = <b>Glandina</b> .
197 17	<b>fidelis</b> Gray.		<i>turris</i> Pfr. = <b>Glandina</b> .
	<i>H. Nuttalliana</i> Lea.	198 45	<b>Glandina Albersi</b> Pfr.
197 18	<b>germana</b> Gould.	198 46	<b>turris</b> ( <i>Achatina</i> ) Pfr. [Carp.
197 19	<b>infumata</b> Gould.		<i>G. Albersi</i> var. <i>turrita</i> P. P.
197 20	<b>intercisa</b> W. G. Binn.		<i>Oleacina turris</i> Gr. et Pfr.
	<i>H. Nickliniana</i> (var.) Binn.		Familia <b>Auriculacea.</b>
197 21	<b>Kelletti</b> Forbes.		Sub-familia <b>Melampea.</b>
197 22	<b>levis</b> Pfr.	198 47	<b>Melampus olivaceus</b> Carp.
197 23	<b>Loisa</b> W. G. Binn.		Familia <b>Aciculacea.</b>
	(an <i>H. acutedentata</i> var.?)	198 48	<b>Truncatella Californica</b> Pfr.
197 24	<b>loricata</b> Gould.		<i>T. ———?</i> Carp.
	<i>H. Lecontii</i> Lea.		II.
197 25	<b>Mazatlanica</b> Pfr.		Familia <b>Limacea.</b>
197 26	<b>Mormonum</b> Pfr.	198 49	<b>Vaginulus Floridianus</b> Binn.
197 27	<b>Newberryana</b> W. G. Binn.		
197 28	<b>Nickliniana</b> Lea.		
	<i>H. nemoraviga</i> Val.		
	<i>arborescens</i> Val.		
	<i>Californiensis</i> Pfr.		

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1858. Pa. No.	Name.	1858. Pa. No.	Name.
	SPECIES EXCLUSÆ.		
198	<i>Vaginulus flexuolaris</i> Grat.	199	<i>Philomycus dorsalis</i> Binney = <b>Tebennophorus dorsalis.</b>
198	<i>fuscus</i> Grat.	199	<i>flexuolaris</i> Raf.
198	<i>oxyurus</i> Grat.	199	<i>fuscus</i> Raf.
198	<i>quadrulus</i> Grat.	199	<i>lividus</i> Gr. et Pfr.
198 50	<b>Tebennophorus Carolinensis</b> ( <i>Limax</i> ) Bose.	199	<i>nebulosus</i> Gr. et Pfr.
	<i>Limax Carolinianus</i> DeRoissy.	199	<i>Testacina</i> Raf.
	<i>Carolinensis</i> Fer.	199	<i>Urcinella</i> Raf.
	<i>marmoratus</i> De Kay.	199	<i>Zilotea</i> Raf.
	<i>togata</i> Gould.	199	<i>Oxyurus</i> Raf.
	<i>Philomycus Carolinensis</i> Fer.	199	<i>quadrilus</i> Raf.
	<i>T. Carolinensis</i> Binn.		<b>Familia Helicea.</b>
198 51	<b>dorsalis</b> Binn.	199 57	<b>Vitrina angelicæ</b> Beck.
	<i>Philomycus dorsalis</i> Binn.		<i>Helix pellucida</i> Fabr.
	<i>Limax dorsalis</i> De Kay.		<i>domestica</i> Ström.
198 52	<b>Arion empiricorum</b> Fer.	199 58	<b>limpida</b> Gould.
198 53	<b>hortensis</b> Fer.		<i>V. pellucida</i> Say.
	SPECIES EXCLUSÆ.		<i>Americana</i> Pfr.
	<i>Arion foliatus</i> Gould.	199 59	<b>Succinea aurea</b> Lea.
198 54	<b>Limax agrestis</b> Mull.	199 60	<i>S. ovalis</i> teste Anthony.
	<i>L. tunicata</i> Gould.		<i>avara</i> Say.
199 55	<b>campestris</b> Binn.		<i>S. Wardiana</i> Lea.
199 56	<b>variegatus</b> Fer.		var. <i>major</i> .
	<i>L. flavus</i> Binn.	199 61	<b>campestris</b> Say.
	SPECIES EXCLUSÆ.	199 62	<b>concordialis</b> Gould.
199	<i>Limax Carolinianus</i> De Roissy =	199 63	<i>S. munita</i> Binn.
	<b>Tebennophorus Carolinensis.</b>	199 64	<b>effusa</b> Shutt.
199	<i>Carolinensis</i> Fer. = <b>Tebennophorus Carolinensis.</b>	199 65	<b>Grœnlandica</b> Beck.
199	<i>Columbianus</i> Gould.	199 66	<b>Haydeni</b> W. G. Binn.
199	<i>dorsalis</i> De Kay = <b>Tebennophorus dorsalis.</b>		var. <i>minor</i> .
199	<i>fuliginosus</i> Gould.	199 66	<b>inflata</b> Lea.
199	<i>gracilis</i> Raf.		<i>S. campestris</i> , var., teste Binn.
199	<i>marmoratus</i> De K., vide <b>Tebennophorus Carolinensis.</b>	199 67	<b>lineata</b> W. G. Binn.
199	<i>olivaceus</i> Gould.	199 68	<b>luteola</b> Gould.
199	<i>togata</i> Gld. = <b>Tebennophorus Carolinensis.</b>	199 69	<b>obliqua</b> Say.
	E LIMACEIS EXCLUSÆ.		<i>S. ovalis</i> Say.
199	<b>Eumelus</b> Raf.	199 70	<i>campestris</i> Gould.
199	<i>lividus</i> Raf.	199 71	<i>lineata</i> De Kay.
199	<i>nebulosus</i> Raf.		<i>Cochlohydra ovalis</i> Fer.
199	<b>Deroceus</b> Raf.	199 70	<b>ovalls</b> Gould non Say.
199	<i>gracilis</i> Raf.	199 71	<b>retusa</b> Lea.
199	<i>Philomycus</i> Raf.		<i>S. ovalis</i> Binn.
199	<i>Carolinensis</i> Fer. = <b>Tebennophorus Carolinensis.</b>	199 72	<i>campestris</i> Anthony.
		199 73	<b>Salleana</b> Pfr.
		199 74	<b>Totteniana</b> Lea.
			<i>S. obliqua</i> Binn. nec Say.
			<b>vermeta</b> Say = <i>S. avara</i> Say.
			SPECIES EXCLUSÆ.
		200	<i>Succinea amphibia</i> Dr.
		200	<i>putris</i> Linn.

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1858.	Name.	1858.	Name.
Pa. No.		Pa. No.	
200 75	<b>Helix albolabris</b> Say. <i>Helicogena albolabris</i> Fer. <i>H. rufa</i> De Kay (junior). var. <b>dentata</b> .	200 90	var. <b>laminifera</b> . <b>Helix chersina</b> Say. <i>H. fulva</i> teste Chemn.
200 76	<b>alternata</b> Say. <i>Helicella alternata</i> Fer. <i>H. scabra</i> Lam. <i>radiata</i> Gmel. <i>H. infecta</i> Pfr. <i>strongylodes</i> Pfr. ? var. 1. <b>albina</b> . 2. <b>Australis</b> . 3. <b>carinata</b> ( <i>H. mordax</i> ) 4. <b>laevigatior</b> . [Sh. ?]	200 91	<b>Clarkii</b> Lea.
200 77	<b>appressa</b> Say. <i>H. linguifera</i> Lam. <i>Helicodonta linguifera</i> Fer. var. a <b>Say</b> .	200 92	<b>clausa</b> Say. <i>H. Pennsylvanica</i> Pfr.
200 78	<b>arborea</b> Say. <i>Helicella arborea</i> Fer. ( <i>H. ni-</i>	201 93	<b>concava</b> Say. <i>H. planorboides</i> Pfr. <i>Helicella planorboides</i> Fer.
200 79	<b>Ariadnæ</b> Pfr. [ <i>tidæ</i> var.]	201 94	<b>Cooperi</b> W. G. Binn.
200 80	<i>H. Couchiana</i> Lea.	201 95	<b>Cumberlandiana</b> ( <i>Carocolla</i> ). <i>H. Cumberlandiana</i> Binn.
200 81	<b>aspersa</b> Müll.	201 96	<b>demissa</b> Binn.
200 82	<b>asteriscus</b> Morse. <i>H. minutissima</i> Gld., nec Lea.	201 97	<b>dentifera</b> Binn.
200 83	<b>auriculata</b> ( <i>Polygyra</i> ) Say. <i>H. auriculata</i> Binn. <i>Helicodonta auriculata</i> Fer. var. <b>minor</b> Fer. ? Conf. <b>H.</b> <b>uvulifera</b> . [ <i>Binn.</i> ?] <i>H. auriculata</i> var. <b>avara</b>	201 98	<b>divesta</b> Gould. <i>H. abjecta</i> Gould. <i>dejecta</i> Gould.
200 84	<b>avara</b> ( <i>Polygyra</i> ) Say. <i>H. avara</i> De Kay.	201 99	<b>Dorfeulliana</b> ( <i>Polygyra</i> ) Lea. <i>H. fatigiata</i> Binn. <i>Dorfeulliana</i> Bld. nec Pfr.
200 85	<b>bucculenta</b> Gould. <i>H. thyroides</i> (var. $\beta$ ) Pfr. ? <i>Helicodonta thyroides</i> (var. $\beta$ ) var. <b>minor</b> . [Fer. ?]	201 100	<b>Edgariana</b> ( <i>Carocolla</i> ) Lea. <i>H. Edgariana</i> Pfr. <i>spinosa</i> (var.) Binn.
200 86	<b>bulbina</b> Desh.	201 101	<b>Edvardsi</b> Bld.
200 87	<b>capsella</b> Gould. <i>H. rotula</i> Gould. <i>placentula</i> Shutt.	201 102	<b>egena</b> Say. non <i>H. egena</i> Gould.
200 88	<b>cellaria</b> Müll. ? <i>H. glaphyra</i> Say, nec Pfr. <i>Helicella glaphyra</i> Fer.	201 103	<b>electrina</b> Gould. <i>H. nitidosa</i> (var.) Pfr. <i>pura</i> pars Chemn.
200 89	<b>cereolus</b> Mühl. <i>Polygyra septemvolva</i> Say. <i>H. septemvolva</i> Binn. <i>Helicodonta septemvolva</i> Fer. <i>H. planorbula</i> Lam.	201 104	<b>elevata</b> Say. <i>Helicodonta Knorvilliana</i> Fer. <i>H. Tennesseensis</i> (jun.) Lea.
		201 105	<b>Elliotti</b> Redf.
		201 106	<b>exigua</b> Stimp. <i>H. annulata</i> Case. <i>striatella</i> (jun.) teste Gld.
		201 107	<b>exoleta</b> Binn. <i>H. albolabris</i> ? <i>unidentata</i> Pfr. <i>albolabris</i> (var.) D. Chemn. <i>Helicodonta albolabris</i> (var.) <i>H. zaleta</i> Binn. [Fer.]
		201 108	<b>Fabricii</b> ( <i>Petasia</i> ) Beck. <i>H. Fabricii</i> Möll. <i>Hammonis</i> Ström. ? <i>nitida</i> Fabr. ? <i>alliaris</i> Forbes.
		201 109	<b>fallax</b> Say. <i>H. tridentata</i> Binn.
		201 110	<b>fatigiata</b> ( <i>Polygyra</i> ) Say. <i>H. fatigiata</i> Binn. <i>Texasiana</i> (var.) B. Chemn. <i>Texasiana</i> $\beta$ Pfr. <i>Dorfeulliana</i> Desh.



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1858. Pa. No.	Name.	1858. Pa. No.	Name.
	<i>Helicina fastigiata</i> De Kay.	202 127	<b>Helix inornata</b> Say.
201 111	<b>Helix friabilis</b> W. G. Binn.		<i>H. glaphyra</i> Pfr.
	<i>H. lucubrata</i> Pfr. in litt.	202 128	<b>interna</b> Say.
201 112	<b>fuliginosa</b> Binn.		<i>H. pomum-Adami</i> Green
	<i>H. capillacea</i> Pfr.		var. <i>albina</i> .
	<i>Omphalina cuprea</i> Raf. ?	202 129	<b>intertexta</b> Binn.
202 113	<b>griseola</b> Pfr.		var. <i>carinata</i> .
	<i>H. splendidula</i> An.	202 130	<b>jejuna</b> Say.
	<i>cicercula</i> Fer. MS.		<i>H. Mobiliana</i> Lea.
	<i>Brandybæne pisum</i> Beek.	203 131	<b>kopnodes</b> W. G. Binn.
	<i>H. albozonata</i> Binn. ?	203 132	<b>labyrinthica</b> Say.
202 114	<b>gularis</b> Say.		<i>Helicodonta labyrinthica</i> Fer.
	<i>H. bicostata</i> Pfr.	203 133	<b>lævigata</b> Pfr. (excl. <i>H. inor-</i>
	<i>Helicodonta gularis</i> Fer.		<i>Helicella lævigata</i> Fer. [nata.
	<i>Helicostyla Rafinesquea</i> Fer. ?		<i>H. inornata</i> Rve.
	var. <i>umbilicata</i> .		<i>lucubrata</i> Binn.
202 115	<b>Gundlachi</b> Pfr.		<i>fuliginosa</i> Binn.
	<i>H. pusilla</i> Pfr.		var. <i>major</i> Pfr. (an <i>H. lævi-</i>
	<i>egena</i> Gould, nec Say.	203 134	<b>lasmodon</b> Phill. [gata Rve. ?]
202 116	<b>Hazardi</b> Bland.		? <i>H. macilentæ</i> Shutt.
	<i>Polygyra plicata</i> Say.	203 135	<b>leporina</b> Gould.
	<i>H. fatigiata</i> Binn.		<i>H. pustula</i> (var. $\beta$ ) Pfr.
	<i>Texasiana</i> Pfr.	203 136	<b>ligeræ</b> Say.
	<i>Dorfeuilliana</i> Desh.		<i>Helicostyla Rafinesquea</i> Fer. ?
	<i>Troostiana</i> W. G. Binn.		<i>H. Rafinesquea</i> Pfr.
	<i>Helicina plicata</i> De Kay.		<i>Wardiana</i> Lea.
202 117	<b>Hindsi</b> Pfr.	203 137	<b>limatula</b> Ward in Binn.
202 118	<b>hippocrepis</b> Pfr.	203 138	<b>lineata</b> Say.
202 119	<b>hirsuta</b> Say.		<i>Helicella lineata</i> Fer.
	<i>H. fraterna</i> Wood.		<i>Planorbis parallelus</i> Say ?
	<i>sinuata</i> y Gmelin.	203 139	<b>major</b> Binn.
	<i>isognomostomus</i> y Gmelin.		<i>H. albolabris</i> Pfr.
	<i>Helicodonta hirsuta</i> Fer.		<i>Helicogena albolabris</i> y Fer.
	<i>Tridopsis hirsuta</i> Woodw.	203 140	<b>microdonta</b> Desh. in Fer.
	<i>Stenostoma convexa</i> Raf.		<i>H. plana</i> Dunker.
	<i>H. porcina</i> (junior?) Say.	203 141	<b>minuscule</b> Binn.
202 120	<b>hispida</b> Linn.		<i>H. minutalis</i> Mor., nec Fer.
202 121	<b>Hopetonensis</b> Shutt.		<i>apex</i> Rve.
	<i>H. tridentata</i> Binn.		<i>Lavelleana</i> Orb. in textu.
202 122	<b>hortensis</b> Mull.		<i>Mauriniana</i> Orb. in tab.
	<i>H. nemoralis</i> Stimp.	203 142	<b>minutissima</b> Lea.
	<i>subglobosa</i> Binn.	203 143	<b>Mitchelliana</b> Lea.
202 123	<b>hydrophila</b> Ingalls.		<i>H. clausa</i> Binn.
	<i>H. lucida</i> Drap.		<i>Mitchella</i> Kirt. ?
202 124	<b>incrustedata</b> Poey.	203 144	<b>monodon</b> Rack.
	<i>H. saxicola</i> Binn.		<i>H. convexa</i> Chemn.
202 125	<b>indentata</b> Say.		<i>Helicodonta hirsuta</i> a Fer.
	var. <i>umbilicata</i> .		var. 1. <b>H. fraterna</b> Say.
202 126	<b>inflecta</b> Say.		<i>H. monodon</i> ex parte De Kay.
	<i>Xolotrema clausa</i> Raf.		<i>convexa</i> Chemn.
	<i>Helicodonta clausa</i> Fer.		var. 2. <b>H. Leali</b> Ward.
	<i>H. clausa</i> Desh.		<i>H. monodon</i> y Pfr.
	<i>porcina</i> (junior?) Say.	203 145	<b>Mooreana</b> W. G. Binn.

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1858. Pa. No.	Name.	1858. Pa. No.	Name.
203 146	<b>Helix mordax</b> Shutt.		<i>H. alliarior</i> Forbes.
203 147	<b>multidentata</b> Binn.		<i>nitida</i> Fab.
203 148	<b>multilineata</b> Say. <i>Helicogena multilineata</i> Fer. var. <i>albina</i> .	205 165	<b>Helix stenotrema</b> Fer.
	var. <i>rufa, unicolor.</i>	205 166	<i>H. hirsuta</i> (var. $\beta$ ) Pfr.
204 149	<b>obstricta</b> Say. <i>H. palliata</i> (var. a) Say. <i>appressa</i> (var.) Desh. <i>Helicodonta denotata</i> (var.) <i>Carocolla helicoides</i> Lea. [Fer.		<b>striatella</b> Anth. <i>H. patula</i> (junior?) Pfr. <i>ruderata</i> Ad., nec Studer.
	204 150	205 167	<b>subplana</b> Binn.
	204 151	205 168	<b>suppressa</b> Say. <i>H. gularis</i> (var. $\beta$ ) Pfr.
	204 152	205 169	<b>tenuistriata</b> Binn. <i>H. vortex</i> Gould, nec Pfr.
	204 153	205 170	<b>Texasiana</b> Mor. <i>H. auriculata</i> Binn. <i>fatigiata</i> Fer.
	204 154		var. <b>H. triodonta</b> Jan? ( <i>H. Texasiana</i> Fer.)
	204 155	205 171	<b>tholus</b> W. G. Binn.
	204 156	205 172	<b>thyroides</b> Say. <i>H. thyroidus</i> Say. <i>Helicodonta thyroideus</i> Fer. <i>H. thyroides</i> Chemn. <i>Anchlostoma thyroides</i> Ad.
	204 157	205 173	<b>tridentata</b> Say. <i>Helicodonta tridentata</i> Fer. <i>Triodopsis lunula</i> Raf.
	204 158	205 174	<b>Troostiana</b> ( <i>Polygyra</i> ) Lea. <i>H. Troostiana</i> Pfr. <i>fatigiata</i> Binn. var. <i>plicata</i> Binn. <i>plicata</i> Shutt., nec Say.
	204 159	205 175	<b>uvulifera</b> Shutt. <i>H. florulifera</i> Rve. <i>auriculata minor</i> Fer.?
	204 160	205 176	<b>varians</b> Menke. <i>H. carnicolor</i> Pfr. <i>pisana</i> Mart. et Chemn. <i>submeris</i> Migh. <i>rhodocheila</i> Binn. <i>polychroa</i> Binn. <i>Helicella carnicolor</i> Fer. <i>Hemitrochus hæmastomus</i> Sowb. var. $\beta$ . <i>H. apicina</i> Menke.
	204 161	206 177	<b>ventrosula</b> Pfr. var. <i>depressa</i> .
	204 162	206 178	<b>volvaxis</b> Pfr. <i>Polygyra septemvolva</i> Beck?
	204 163	206 179	<b>vortex</b> Pfr. <i>H. selenina</i> Gould.
	204 164	206 180	<b>vultuosa</b> Gould.
			SPECIES EXCLUSÆ.
		206	<i>Helix arbustorum</i> Linn.

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1858. Pa. No.	Name.	1858. Pa. No.	Name.
206	<i>Helix Bonplandi</i> Lam.	206 194	<b>Bulimus serperastrus</b> Say.
206	<i>harpa</i> Say = <b>Bulimus.</b>	206 195	<b>subula</b> Pfr.
206	<i>dealbata</i> Say = <b>Bul. dealbatus.</b>		<i>B. procerus</i> Adams.
206	<i>depicta</i> Grat.		<i>octonoides</i> Orb.
206	<i>domestica</i> Ström. = <b>Vitrina ange-</b>		<i>hortensis</i> Ad. ?
	<b>gelicæ.</b> [Beck ?		<i>Achatina subula</i> Pfr.
206	<i>hieroglyphica</i> ( <i>Euryomphala</i> )	206 196	<b>zebra</b> ( <i>Buccinum</i> ) Müll.
206	<i>irrorata</i> Say = <b>H. lactea.</b>		<i>Zebra Müller</i> Mart. et Chemn.
206	<i>nemoralis</i> Linn. ?		<i>Bulla zebra</i> Gmelin.
206	<i>pellucida</i> Fabr. = <b>Vitrina ange-</b>		<i>B. undatus</i> Brug.
	<b>licæ.</b>		<i>Cochlostyla undata</i> Fer. [Fer.
206	<i>Pisana</i> Müll. ?		<i>Achatina flammigera</i> Say, nec
206	<i>subcylindrica</i> Pult. = <b>Trunca-</b>		<i>zebra</i> Pfr.
	<b>tella.</b>		<i>Agatina fuscata</i> Raf.
206	<i>Trumbulli</i> Lins. = <b>Skenia ser-</b>		<i>Orthaliscus undatus</i> Shutt.
	<b>puloides</b> Mont.		var. $\gamma$ . <b>B. princeps</b> Brod.
206	<i>virgata</i> Mont. ?		<i>Cochlostylus princeps</i> Orb.
			<i>Orthaliscus princeps</i> Shutt.
206 181	<b>Bulimus acicula</b> ( <i>Buccinum</i> )		
206 182	<b>alternatus</b> Say. [Müll.		SPECIES EXCLUSÆ.
	<i>B. lactarius</i> Pfr.	207	<i>Bulimus exiguus</i> Binn. = <b>Cary-</b>
	<i>dealbatus</i> Binn.		<b>obium.</b>
206 183	<b>Binneyanus</b> Pfr. in litt.	207	<i>fasciatus</i> Binn. = <b>Achatina.</b>
	<i>B. dealbatus</i> Binn.	207	<i>Gossei</i> Pfr. vide <b>Macrocera-</b>
	<i>Schiedeanus</i> Gould.		<b>mus pontificus.</b>
206 184	<b>dealbatus</b> ( <i>Helix</i> ) Say.	207	<i>Kieneri</i> Pfr. vide <b>Macrocera-</b>
	<i>B. dealbatus</i> Pot. et Mich.		<b>mus pontificus.</b>
	<i>confinis</i> Rve.	207	<i>lubricus</i> Adams = <b>Achatina.</b>
	<i>liquabilis</i> Rve.	207	<i>obscurus</i> Dr. vide <b>Pupa placida</b>
206 185	<b>decollatus</b> ( <i>Helix</i> ) Linn.		Say.
	<i>B. mutilatus</i> Say.	207	<i>striatus</i> Brug. = <b>Glandina</b>
206 186	<b>Dormani</b> W. G. Binn.		<b>truncata.</b>
206 187	<b>Floridianus</b> Pfr.	207	<i>vezillum</i> Brug. = <b>Achatina fas-</b>
206 188	<b>gracillimus</b> Pfr.		<b>ciata.</b>
	<i>Achatina gracillima</i> Pfr.	207	<i>zebra</i> Orb. = <b>Ach. fasciata.</b>
	<i>B. striaticostatus</i> Orb.		
206 189	<b>harpa</b> ( <i>Helix</i> ) Say.	207 197	<b>Macroceramus pontificus</b> ( <i>Cy-</i>
	<i>B. harpa</i> Pfr.		<i>lindrella</i> ) Gould.
	<i>Pupa costulata</i> Migh.		<i>Pupa uncarinata</i> Binn. [Müll.
206 190	<b>marginatus</b> ( <i>Cyclostoma</i> ) Say.	207 198	<b>Achatina fasciata</b> ( <i>Buccinum</i> )
	<i>B. marginatus</i> Pfr.		<i>Bulla fasciata</i> Mart. et Chemn.
	<i>fallax</i> Gould.		<i>Bulimus vezillum</i> Brug., nec
	<i>Pupa fallax</i> Say.		De Kay.
	<i>albilabris</i> Adams.		<i>Cochlitoma vezillum</i> Fer.
	<i>Parraiana</i> Orb.		<i>A. vezillum</i> Lam.
206 191	<b>multilineatus</b> Say.		<i>fasciata</i> Swain.
	<i>B. virgulotus</i> Binn.		<i>lineata</i> Valen.
	<i>Menkei</i> Gruner.		<i>Bulimus fasciatus</i> Binn.
	<i>venosus</i> Rve. ?		<i>Agatina variegata</i> Raf.
206 192	<b>octona</b> Ch.		junior <i>A. murrea</i> Rve.
206 193	<b>Schiedeanus</b> Pfr.		var. $\delta$ . <b>A. pallida</b> Swain.
	var. $\beta$ . <b>fauce nigra.</b>		<i>Cochlitoma vezillum</i> (var.) Fer.
	var. $\gamma$ . <b>apice nigra.</b>		var. $\gamma$ . <b>A. crenata</b> Swain.

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1858.		Name.	1858.		Name.
Pa.	No.		Pa.	No.	
		<i>A. anais</i> Less.	208	207	<b>Pupa armifera</b> ( <i>Carychium</i> ?)
		<i>fusciata</i> (var.) Rve.			<i>P. armifera</i> Gould. [Say.
		<i>Bulimus zebra</i> Orb.			<i>armigera</i> Pot. et Mich.
		var. ζ. <b>A. solida</b> Say.			<i>rupicola</i> Pfr.
207	199	<b>Achatina lubrica</b> ( <i>Helix</i> ) Müll.	208	208	<b>badia</b> Adams.
		<i>A. lubrica</i> Pfr.			<i>P. muscorum</i> Linn.
		<i>Bulimus lubricus</i> Adams.	208	209	<b>contracta</b> ( <i>Carychium</i> ) Say.
		<i>lubricoides</i> Stimps.			<i>P. contracta</i> Gould.
207	200	<b>picta</b> Rve.			<i>deltostoma</i> Charp. in Chem.
		<i>Bulimus fasciatus</i> (var.) Binn.			<i>corticaria</i> Pfr.
					<i>Vertigo contracta</i> Ad. Gen.
		SPECIES EXCLUSÆ.	208	210	<b>corticaria</b> Say.
207		<b>Achatina bullata</b> Pfr. = <b>Glandina</b>			<i>Odostomia corticaria</i> Say.
207		<i>flammigera</i> Say = <b>Bulimus ze-</b>			<i>Carychium corticaria</i> Fer.
		<b>bra.</b>	208	211	<b>decora</b> Gould.
207		<i>gracillima</i> Pfr. = <b>Bulimus gra-</b>			<i>Vertigo decora</i> Ad. Gen.
		<b>cillimus.</b>	208	212	<b>Hoppii</b> Müll.
207		<i>pellucida</i> Pfr. = <b>Blauneria.</b>			<i>P. Steenbuchii</i> Beck.
207		<i>rosea</i> Desh. = <b>Gland. truncata.</b>	208	213	<b>incana</b> Binn.
207		<i>striata</i> De Kay = <b>Gl. truncata?</b>			<i>P. detrita</i> Shutt.
207		<i>subula</i> Pfr. = <b>Bulimus.</b>			<i>maritima</i> γ Pfr., Gould.
207		<i>Texasiana</i> Pfr. = <b>Glandina.</b>	208	214	var. <b>fasciata.</b>
207		<i>truncata</i> Pfr. = <b>Glandina.</b>			<b>modica</b> Gould.
207		<i>vexillum</i> De Kay, vide <b>A. vir-</b>	208	215	<b>pentodon</b> ( <i>Vertigo</i> ) Say.
		<b>ginea.</b>			<i>P. pentodon</i> Gould.
207		<i>Vanuxemensis</i> Pfr. = <b>Glandina.</b>			<i>Tappaniana</i> Adams.
207		<i>virginea</i> Linn. ( <i>A. vexillum</i> De			<i>curvidens</i> Gould.
		Kay, nec Brug.)	208	216	<b>placida</b> Say.
					<i>Bulimus marginatus</i> Say.
207	201	<b>Glandina bullata</b> Gould.			<i>obscurus</i> Müll.
		<i>Achatina bullata</i> Pfr.	208	217	<b>rupicola</b> ( <i>Carychium</i> ) Say.
		<i>Oleacina bullata</i> Gr. et Pfr.			<i>P. rupicola</i> Gould.
207	202	<b>corneola</b> W. G. Binn.			<i>procera</i> Gould.
		<i>G. truncata</i> (var. ?) Binn.			<i>carinata</i> Gould.
207	203	<b>parallela</b> W. G. Binn.			<i>Vertigo rupicola</i> Binn.
		<i>G. truncata</i> (var.) Binn.			<i>minuta</i> Ad. Gen. ?
207	204	<b>Texasiana</b> ( <i>Achatina</i> ) Pfr.			<i>P. gibbosa</i> Chemn. ?
207	205	<b>truncata</b> ( <i>Bulla</i> ) Gmelin.			<i>minuta</i> Pfr.
		<i>Buccinum striatum</i> Mart. et	208	218	<b>variolosa</b> Gould.
		Chemn.			
		<i>Bulimus striatus</i> Brug.	208		SPECIES EXCLUSÆ.
		<i>Cochlicopa rosea</i> Fer.			<b>Pupa albilabris</b> Ad. = <b>Bul. mar-</b>
		<i>Achatina rosea</i> Desh.			<b>ginatus.</b>
		<i>striata</i> Desh.	208		<i>costulata</i> Migh. = <b>Bul. harpa.</b>
		<i>truncata</i> Orb.	208		<i>exigua</i> Say = <b>Carychium.</b>
		<i>G. truncata</i> Say.	208		<i>fallax</i> Say = <b>Bul. marginatus.</b>
		<i>Oleacina truncata</i> Gr. et Pfr.	208		<i>Gouldii</i> Binn. = <b>Vertigo.</b>
		<i>Polyphemus glans</i> Say.	208		<i>miliun</i> Gould = <b>Vertigo.</b>
		<i>Planorbis glans</i> De Kay.	208		<i>modesta</i> Say = <b>Vertigo ovata.</b>
208	206	<b>Vanuxemensis</b> Lea.	208		<i>ovata</i> Gould = <b>Vertigo.</b>
		<i>Achatina Vanuxemensis</i> Pfr.	208		<i>ovulum</i> Pfr. = <b>Vertigo ovata.</b>
		<i>Oleacina Vanuxemensis</i> Gr. et	208		<i>Parrainiana</i> Orb. = <b>Bul. margi-</b>
		Pfr.			<b>natus.</b>

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1858. Pa. No.	Name.	1858. Pa. No.	Name.
208	<i>Pupa simplex</i> Gould = <b>Vertigo</b> .	209 223	<b>Cylindrella Goldfussi</b> Menke.
208	<i>unicarinata</i> Binn. = <b>Macroceramus pontificus</b> .	209 224	<i>jejuna</i> Gould.
		209 225	<b>Poeyana</b> Orb. <i>C. lactaria</i> Binn.
208 219	<b>Vertigo Gouldii</b> Binn. <i>Pupa Gouldii</i> Binn.	209 226	<b>Rømeri</b> Pfr.
209 220	<b>milium</b> Gould. <i>Pupa milium</i> Gould.		SPECIES EXCLUSA.
209 221	<b>ovata</b> Say. <i>Pupa ovata</i> Gould. <i>modesta</i> Say. <i>ovulum</i> Pfr.	209	<i>Cylindrella pontifica</i> Gould = <b>Macroceramus</b> .
209 222	<b>simplex</b> Gould. <i>Pupa simplex</i> Gould.		Familia <b>Auriculacea</b> .
	SPECIES EXCLUSA.		Sub-familia <b>Melampea</b> .
209	<i>Vertigo contracta</i> Ad. Gen. = <b>Pupa</b> .	209 227	<b>Melampus bidentatus</b> Say. <i>M. biplicatus</i> Pfr. <i>corneus</i> Stimp. <i>Jaumei</i> Pfr.
209	<i>decora</i> Ad. Gen. = <b>Pupa</b> .		<i>Auricula biplicata</i> Desh. <i>cornea</i> Desh. <i>bidentata</i> Gould.
209	<i>minuta</i> Ad. Gen., vide <b>Pupa rupentodon</b> Say = <b>Pupa</b> . [ <i>picola</i> .		<i>non Auricula bidens</i> (Say) Pot. et Mich.
209	<i>rupicola</i> Binn. = <b>Pupa</b> .		<i>Auricula Jaumei</i> Mittr. var. <i>lineatus</i> Say. <i>Melampus bidentatus</i> ♂ Pfr. <i>Auricula bidentata</i> (var. a) De
	E HELICIS EXCLUSA.	209 228	<b>cingulatus</b> Pfr. [Kay.
209	<b>Aplodon</b> Raf. <i>nodosum</i> Raf.		<i>Auricula cingulata</i> Pfr. <i>oliva</i> Orb. <i>stenostoma</i> Küst.
209	<b>Chimotrema</b> Raf.	209 229	<b>coffea</b> ( <i>Voluta</i> ) Linn. <i>Bulla coffea</i> Linn. <i>Voluta minuta</i> Gmel. [tini?
209	<b>planuscula</b> Raf.		<i>Auricula midæ parva</i> &c. Mar- <i>Ellobium Barbadosense</i> Boelten?
209	<b>Hemiloma</b> Raf. <i>avara</i> Raf.		<i>Bulinus conformis</i> Brug. <i>M. conformis</i> Montf. <i>fusca</i> Mörch. <i>coffea</i> Mörch.
209	<b>Mesodon</b> Raf. <i>maculatum</i> Raf.		<i>Melampa minuta</i> Pfr. <i>Tornatelle conforme</i> Blain. <i>Auricula conformis</i> Fer. <i>ovula</i> Orb. <i>Conovulus conformis</i> Lam. <i>M. coffeus</i> Beck. <i>coffea</i> Gray. <i>obliquus</i> Say?
209	<b>Mesomphix</b> Raf.	210 230	<b>Floridianus</b> ( <i>Auricula</i> ) Shutt. <i>M. Floridianus</i> Pfr.
209	<b>Odomphium</b> Raf.	210 231	<b>obliquus</b> Say. <i>Auricula obliqua</i> De Kay.
209	<i>Odostomia</i> Say = <b>Pupa</b> .		<b>pusillus</b> ( <i>Voluta</i> ) Gmel. <i>Auricula midæ parva</i> &c. Mart. et Chemn.
209	<i>corticaria</i> Say = <b>Pupa</b> .		
209	<b>Odotropis</b> Raf.		
209	<b>Omphalina</b> Raf. <i>cuprea</i> Raf., vide <b>Helix</b> .		
209	<b>fuliginosa</b> .		
209	<b>Partula Otaheitana</b> Fer.		
209	<b>Stenostoma</b> Raf.		
209	<i>Stenotrema</i> Raf. <i>convexa</i> Raf.		
209	<b>Toxostoma</b> Raf. <i>globularis</i> Raf.		
209	<b>Toxotrema</b> Raf. <i>globularis</i> Raf.		
209	<b>complanata</b> Raf.		
209	<b>Triodopsis</b> Raf.		
209	<b>Trophodon</b> Raf.		
209	<b>Xolotrema</b> Raf. <i>lunula</i> Raf.		
209	<b>triodopsis</b> Raf.		

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1858. Pa. No.	Name.	1858. Pa. No.	Name.
	<i>Voluta triplicata</i> Don.		<i>Achatina pellucida</i> Gould.
	<i>Bulinus ovulus</i> Brug.		<i>Tornatellina Cubensis</i> Pfr.
	<i>Melampa ovulum</i> Schw.		<i>Odostomia? Cubensis</i> Poey.
	<i>Conovula ovula</i> Fer.	210 235	<b>Leuconia? Sayii</b> ( <i>Auricula</i> ) <i>L.? Sayii</i> Pfr. [Küst.
	<i>Auricula nitens</i> Lam. <i>pusilla</i> Desh. <i>leucodonta</i> Nuttall.	210 236	An <i>Alexia myosotis?</i> <b>Carychium exiguum</b> ( <i>Pupa?</i> ) <i>C. exiguum</i> Pfr. [Say.
	<i>Conovulus nitens</i> Voigt. <i>pusillus</i> Anton.		<i>exile</i> H. C. Lea. <i>exustellum</i> Bourg.? <i>euphæum</i> Bourg.?
	<i>M. ovulum</i> Lowe. <i>nitens</i> Shuttl.		<i>Bulinus exiguus</i> Binn. <i>Pupa exigua</i> Gould.
	<i>Pythia ovulum</i> Beck. <i>triplicata</i> Beck.		
	<i>Tralia pusilla</i> Ad. Gen. <i>ovulum</i> Mörch.		
	SPECIES EXCLUSÆ.	211	<i>Carichium? armigera</i> Say = <b>Pupa.</b>
210	<i>Melampus borealis</i> Conr. = <b>Alexia</b>	211	<i>corticaria</i> Fer. = <b>Pupa.</b>
	<b>myosotis.</b>	211	<i>contracta</i> Say = <b>Pupa.</b>
210	<i>denticulatus</i> Stimp. = <b>Alexia</b>	211	<i>rupticola</i> Say = <b>Pupa.</b>
	<b>myosotis.</b>		
	Sub-familia <b>Auriculea.</b>		
	SPECIES EXCLUSÆ.		
210	<i>Auricula bidentata</i> Gould = <b>Me-</b>	211 237	<b>Truncatella bilabiata</b> Pfr.
	<b>lampus.</b>	211 238	<b>Caribæensis</b> Sowb. <i>T. variabilis</i> Pfr. Gouldii C. B. Ads. Geurinii Parr. succinea C. B. Ads.
210	<i>biplicata</i> Desh. = <b>Melampus</b>		
	<b>bidentatus.</b>	211 239	<b>pulchella</b> Pfr.
210	<i>cingulata</i> Pfr. = <b>Melampus.</b>	211 240	<b>subcylindrica</b> Gray. <i>Helix subcylindrica</i> Pult. <i>T. truncatella</i> Lowe? <i>Caribæensis</i> Pfr.
210	<i>coniformis</i> Fer. = <b>Mel. coffea.</b>		
210	<i>cornea</i> Desh. = <b>Melampus bi-</b>		
	<b>dentatus.</b>		
210	<i>denticulata</i> Gould = <b>Alexia my-</b>		
	<b>osotis.</b>		
210	<i>Floridianus</i> Shut. = <b>Melampus.</b>		
210	<i>Jaumei</i> Mittré = <b>Melampus bi-</b>	211 241	<b>Chondropoma dentatum</b> ( <i>Cy-</i> <i>clostoma</i> ) Say. <i>Cyclostoma dentatum</i> De Kay. <i>lineolatum</i> Anton. <i>Auberianum</i> Orb.? <i>lunulatum</i> Mörch. <i>crenulatum</i> Pfr. <i>Chondropoma crenulatum</i> Pfr. <i>dentatum</i> Pfr.
	<b>dentatus.</b>		
210	<i>nitens</i> Lam. = <b>Mel. pusillus.</b>		
210	<i>obliqua</i> De Kay = <b>Melampus.</b>		
210	<i>oliva</i> Orb. = <b>Mel. cingulatus.</b>		
210	<i>pusilla</i> Desh. = <b>Melampus.</b>		
210	<i>Sayii</i> Küster = <b>Leuconia.</b>		
210	<i>stenostoma</i> Küster = <b>Melampus</b>		
	<b>cingulatus.</b>		
210 233	<b>Alexia myosotis</b> ( <i>Auricula</i> ) <i>A. myosotis</i> Pfr. [Drap. <i>Auricula denticulata</i> Gould. <i>Melampus denticulatus</i> Stimp. <i>borealis</i> Conr.	211	<b>CYCLOSTOMACEA EXCLUSA.</b> <i>Cyclostoma Auberianum</i> Orb., vide <b>Chondropoma dentatum.</b> <i>Cincinnatiensis</i> Lea = <b>Amnicola.</b> <i>crenulatum</i> Pfr. = <b>Chondropo-</b> <b>ma dentatum.</b>
210 234	<b>Blauneria pellucida</b> Pfr. <i>Achatina? pellucida</i> Pfr.	211	

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1858. Pa. No.	Name.	1858. Pa. No.	Name.
211	<i>Cyclostoma dentatum</i> Say = <b>Chondropoma</b> .	211 247	<b>Helicina tropica</b> Pfr. <i>H. ambeliana</i> Sowb., nec DeB. <i>orbiculata</i> Binn., nec Say.
211	<i>lapidaria</i> Say = <b>Amnicola</b> .		
211	<i>lineolatum</i> Anton = <b>Chondropoma dentatum</b> .		
211	<i>lunulatum</i> Mörch. = <b>Chondropoma dentatum</b> .	211	<i>Helicina fastigiata</i> DeKay = <b>Helix fatigiata</b> Say.
211	<i>marginalis</i> Kirt. = <b>Bul. marginatus</b> .	211	<i>plicata</i> De Kay = <b>Helix Hazardi</b> Bland.
211	<i>marginata</i> Say = <b>Bulimus</b> .	211	<i>Oligyra</i> Say = <b>Helicina</b> .
211	<i>tricarinata</i> Say = <b>Valvata</b> .	211	<i>orbiculata</i> Say = <b>Helicina</b> .
	<b>Familia Helicinacea.</b>		<b>IN ERRATA.</b>
211 242	<b>Helicina chrysochella</b> Binn.	41	<b>Bulimus sufflatus</b> Gould. <i>B. vesicalis</i> Gould.
211 243	<b>Hanleyana</b> Pfr.	48 <sup>a</sup>	<b>Truncatella gracilentia</b> Gould.
211 244	<b>occulta</b> Say.	84 <sup>a</sup>	<b>Helix Berlanderiana</b> Mor. <i>H. pachyloma</i> Mke. <i>virginalis</i> Pfr. ?
211 245	<b>orbiculata</b> Say. <i>Oligyra orbiculata</i> Say. <i>H. vestita</i> (junior) Guild. <i>castanea</i> (junior) Guild.	86 <sup>a</sup>	<b>caduca</b> Pfr.
211 246	<b>subglobulosa</b> Poey.	201	<b>dissidens</b> Desh. = <b>concava</b> .
1859. April.	<b>Lea.</b> —Descriptions of eight new species of Unionidæ from Georgia, Mississippi, and Texas: by ISAAC LEA.		
Page.	Name.		Locality.
112	<b>Unio spissus</b> Lea.		Satilla river, Georgia.
112	<b>corvus</b> Lea.		Buckhead creek, Georgia.
112	<b>Buckensis</b> Lea.		Buckhead creek, Georgia.
112	<b>aureus</b> Lea.		Texas.
112	<b>curtus</b> Lea.		Tombigbee river, Mississippi.
112	<b>permiscens</b> Lea.		Tombigbee river, Mississippi.
113	<b>Margaritana elliptica</b> Lea.		Tombigbee river, Mississippi.
113	<b>Anodonta Texasensis</b> Lea.		Texas.
May.	<b>Lea.</b> —Descriptions of twenty-one new species of Exotic Unionidæ: by ISAAC LEA.		
151			
153	<b>Unio persulcatus</b> Lea.		Mexico.
	<b>Lea.</b> —Descriptions of two new species of Uniones from Georgia: by ISAAC LEA.		
154	<b>Unio fibuloides</b> Lea.		Connasauga river, Georgia.
154	<b>compactus</b> Lea.		Etowah river, Georgia.
	<b>Lea.</b> —Descriptions of seven new species of Uniones from South Carolina, Florida, Alabama, and Texas: by ISAAC LEA.		
154	<b>Unio cacao</b> Lea.		Chacktahachie river, W. Fla.
154	<b>hepaticus</b> Lea.		Salkakatche river, S. C.
154	<b>viridiradiatus</b> Lea.		Big Uchee, Ala.; Columbus, Ga.
154	<b>macrodon</b> Lea.		Rutersville, Texas.



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1859. Page.	Name.	Locality.	
155	<b>Unio Houstonensis</b> <i>Lea.</i>	Houston, Texas.	
155	<b>Rutersvillensis</b> <i>Lea.</i>	Rutersville, Texas.	
155	<b>Forsheyi</b> <i>Lea.</i>	Fayette County, Texas.	
June.	<b>Lea.</b> —Descriptions of twelve new species of Uniones from Georgia: by ISAAC LEA.		
170	<b>Unio Baldwinensis</b> <i>Lea.</i>	Carter's creek, Georgia.	
170	<b>viridans</b> <i>Lea.</i>	Columbus, Georgia.	
170	<b>Hallenbeckii</b> <i>Lea.</i>	Columbus, Georgia.	
170	<b>salebrosus</b> <i>Lea.</i>	Columbus, Georgia, &c.	
171	<b>modicellus</b> <i>Lea.</i>	Connasauga and Chattanooga	
171	<b>latus</b> <i>Lea.</i>	Savannah river. [rivers, Ga.]	
171	<b>verutus</b> <i>Lea.</i>	Columbus, Ga. [bama rivers.	
171	<b>Johannis</b> <i>Lea.</i>	Connasauga, Etowah, and Ala-	
171	<b>Raensis</b> <i>Lea.</i>	Columbus and Rae's cr., Ga.	
171	<b>inuitatis</b> <i>Lea.</i>	Swift creek, Macon, Ga.	
171	<b>Jonesii</b> <i>Lea.</i>	Uharlee creek, Ga.	
172	<b>quadratus</b> <i>Lea.</i>	Carter's & Factory creeks, Ga.	
July.	Observations on the Geographical Distribution and Anatomy of Unio and—		
177	<b>Anodonta Lewisii.</b>		
177	<i>unadilla</i> De Kay = <i>edentula</i> Say.		
177	<i>edentula.</i>		
188	<b>W. G. Binney.</b> —Notes on American Land Shells, No. 5: by W. G. BINNEY. <sup>1</sup>		
Pa. No.	Name.	Pa. No. Name.	
188 1	<b>Arion foliolatus</b> non <i>foliatus.</i>	188	<i>Philomycus dele nebulosus.</i>
188 12	<b>Helix Californiensis</b> <i>Lea.</i>	188	<i>adde oxyrus</i> Raf.
188 13 <sup>a</sup>	<i>cultellata</i> Thomson.	188	<i>quadrilus</i> Raf.
188 33 <sup>a</sup>	<i>strigosa</i> Gould.	188	<i>dele Oxyrus.</i>
188 33 <sup>b</sup>	<b>Townsendiana</b> <i>Lea.</i>	188	<i>quadrilus.</i>
188 33 <sup>c</sup>	<i>tudiculata</i> Binn.		
188 33 <sup>d</sup>	<b>Vancouverensis</b> <i>Lea.</i>	188 58	<i>adde Vitrina Americana</i> Chemn.
	<i>H. concava</i> Binn.	188 68	<i>Succinea Texasiana</i> Pfr.
	<i>vellicata</i> Forbes.	188 69	<i>obliqua</i> Pfr.
188 41	<b>Bulimus sufflatus</b> Gould. in litt.	188 82	<i>Helix auriculata</i> De Kay.
	<i>B. vesicalis</i> Gould.	188 83	<i>Stenotrema avara</i> Hart.
188 48 <sup>a</sup>	(In addenda) is syn. of 48.	188 84 <sup>a</sup>	<b>Helix Berlanderiana</b> Mor.
188 49 <sup>a</sup>	<b>Tebennophorus bilineatus</b>		<i>H. pachyloma</i> Mke.
188 55 <sup>a</sup>	<b>Limax lineatus</b> De Kay. [Cart.		<i>virginalis</i> Pfr.
	LIMAX.—SPECIES EXCLUSÆ.	188 86	<i>bulbina</i> Pfr.
188	<i>Limax gracilis</i> Grat.	188 86 <sup>a</sup>	<i>caduca</i> Pfr.
188	<i>Eumelus lividus</i> Grat.	188 97	<i>dentifera</i> Pfr.
188	<i>nebulosus</i> Grat.	188 104	<i>Tennesseensis</i> Tros.
188	<i>Philomycus dele lividus.</i>	188 130	<i>Mobiliana</i> Tros.
		188 133	<i>laevigata</i> Desh.

<sup>1</sup> The contributions to this department of American Conchology by this author have also been published in pamphlet form. Page 1 of the pamphlet corresponds to 1857, p. 19. Page 3 = 1857, p. 188. Page 15 = 1858, p. 114. Page 19 = 1858, p. 197. Page 35 = 1859, p. 188.



[Proceedings of the Acad. of Nat. Sci. of Philad., n. s.—continued.]

1859. Pa. No.	Name.	1859. Pa. No.	Name.
188 139 <sup>a</sup>	<b>Helix maxillata</b> Gould.	188 229 <sup>a</sup>	<b>Melampus flavus</b> Gmel.
188 140 <sup>a</sup>	<b>milium</b> Morse.		<i>Auricula Midz, &amp;c.</i> , Mart. &
188 141	<i>apex</i> Adams.		<i>Voluta</i> Schr. [Chemn.
188 144	dele <i>Helix monodon</i> (var. $\gamma$ ) Pfr.,		<i>flava</i> Gmel.
	legge <i>H. convexa</i> (var. $\gamma$ ) Pfr.		<i>flammea <math>\gamma</math> Gmel.</i>
188 158	<i>Helix dentifera</i> Pfr. in vol. iii, nec		<i>Bulinus monile</i> Brug.
188 170	<i>Tamaulipasensis</i> Lea. [vol. i.		<i>Melampa monile</i> Schw.
188 172	<i>thyroidus</i> Desh. in Fer.		<i>Conovulus monile</i> Goldf.
188 176	dele <b>Helix varians</b> Rve.		<i>flavus</i> Anton.
188 187 <sup>a</sup>	<b>Bulinus Gossei</b> Pfr.		<i>Auricula monile</i> Fer.
188 192 <sup>a</sup>	<i>patriarcha</i> W. G. Binn.		<i>flava</i> Desh. in Lam.
188 195	<i>hortensis</i> Adams!		<i>coniformis</i> Orb.
188 213	<i>Pupa maritima</i> Gould (nec $\gamma$ ).		<i>Melampus monile</i> Lowe.
188 214 <sup>a</sup>	<b>pellucida</b> Pfr.		<i>torosa</i> Mörch.
188 217	<i>rupicola</i> Chemn.		<i>monilis</i> Shutt.
188 218	<i>Vertigo variolosa</i> Ad. Gen.	189 232 <sup>a</sup>	<b>Redfieldi</b> Pfr.
	E HELICEIS EXCLUSA.	189 245	<i>Helix vestita</i> Pfr.
188	<i>Triodopsis lunula</i> Raf.		
Oct.	<b>Isaac Lea.</b> —Note on—		
280	<i>Margaritana Etowahensis</i> Lea, preoc. = <b>M. Georgiana</b> Lea.		
Nov.			
329	<b>Isaac Lea.</b> —Notes on Anatomy of Unionidæ.		
Dec.			
331	<b>Carpenter.</b> —Notice of Shells collected by Mr. J. Xantus at Cape St. Lucas: by P. P. CARPENTER.		
	[Notes on geographical distribution, but no descriptions.—W. G. B.]		
332	<b>Oniscia tuberculata.</b>	332	<b>Oliva porphyria.</b>
332	<b>Cassia coarctata.</b>	332	<b>Columbella hæmastoma.</b>
332	<i>abbreviata.</i>	332	<b>Conus princeps.</b>
332	<b>Lathirus castaneus.</b>	332	<b>Haliotis splendens.</b>

**Rafinesque.**—Descriptions de onze genres nouveaux de Mollusques, publiées en 1814: par C. S. RAFINESQUE, Prof. de Bot. et d'Hist. Nat. dans l'Univ. de Lexington. (From Journal de Physique, tom. lxxxix, p. 146. August, 1819.)

Page.		Page.	
152	<b>Opiptera</b> Raf. (n. g.)	152	<b>Oxynoë olivacea</b> Raf.
152	<i>bicolor</i> Raf.	152	<b>Tylodina</b> Raf. (n. g.)
152	<b>Oxynoë</b> Raf. (n. g.)	153	<i>punctulata</i> Raf.

[The remainder are Annelides and Polyyps.—W. G. B.]

The same translated into German. Isis, 1820, p. 244.

**Rafinesque.**—Précis des Découvertes Somnologiques ou Zoologiques et Botaniques de C. S. RAFINESQUE. Palerme, 1814.

[No localities are given. The species are probably foreign.—W. G. B.]

CLASS MALACOSIA. Les Mollusques.

Page.		Page.	
28	<i>Octopus frayedus Raf.</i>	29	<i>Lolligo todurus Raf.</i>
28	<i>didynamus Raf.</i>	29	<i>Ozorna Aldrovandi Raf.</i>
28	<i>heteropus Raf.</i>	29	<i>Dictyethis fusca Raf.</i>
28	<i>ruber Raf.</i>	29	<i>Hypterus Raf. (n. g.)</i>
28	<i>tetradynamus Raf.</i>	29	<i>appendiculatus Raf.</i>
28	<i>moschatus Raf.</i>	29	<i>erythrogaster Raf.</i>
29	<i>albus Raf.</i>	29	<i>Stephylla Raf. (n. g.)</i>
29	<i>niger Raf.</i>	30	<i>pallida Raf.</i>
29	<i>maculatus Raf.</i>	30	<i>lutescens Raf.</i>
29	<i>Oxoenia moschata Raf.</i>	30	<i>fusca Raf.</i>
	<i>Octopus moschatus Lam.</i>	30	<i>Armina Raf. (n. g.)</i>
29	<i>Ocythoe Raf. (n. g.)</i>	30	<i>maculata Raf.</i>
29	<i>tuberculata Raf.</i>	30	<i>tigrina Raf.</i>
29	<i>Sepia mucronata Raf.</i>	30	<i>Sarcopterus Raf. (n. g.)</i>
29	<i>Lolligo lanceolata Raf.</i>	30	<i>ruber Raf.</i>
29	<i>odagadium Raf.</i>		

**Conrad.**—Descriptions of new Fossil and Recent Shells of the United States: by T. A. CONRAD. (From Journ. Acad. Nat. Sci. of Philad., n. s., vol. i, part iii, p. 207. Aug. 1849.)

Page.	Name.	Locality.
208	<i>Siliqua Floridana</i> Conr.	Egmont Key, Tampa Bay.
	<i>Solecurtus fragilis (var.)</i> Conr.	
208	<i>Lyonsia Floridana</i> Conr.	
	<i>Osteodesma hyalina</i> Conr.?	
208	<i>Cryptomya</i> Conr. (n. g.)	
208	<i>Sphaenia Californica</i> Conr. = <i>Cryptomya Californica.</i>	
208	<i>Donax protracta</i> Conr. (p. 280, pl. xxxix, fig. 8).	St. Joseph's Bay, Fla.
209	<i>Venus intapurpurea</i> Conr. (p. 280, pl. xxxix, fig. 9).	Egmont Key, Tampa Bay.
209	<i>Pecten fuscopurpureus</i> Conr. (p. 280, pl. xxxix, fig. 10).	Mullet Key, Tampa Bay.

**Conrad.**—Notes on Shells, with Descriptions of new Genera and Species: by T. A. CONRAD. (From same as last, p. 210.)

Page.		Page.	
213	<b>Petricola Californica</b> <i>Conr.</i>	213	<b>Siliqua lucida</b> <i>Conr.</i>
	<i>Saxicava Californica</i> <i>Conr.</i>		<i>Solecurtus lucidus</i> <i>Conr.</i>
	<i>P. arcuata</i> <i>Desh.</i>		<i>radiatus</i> <i>Gould</i> , non <i>Linn.</i>
213	<b>carditoides</b> <i>Conr.</i>	213	<b>Trigonella</b> <i>Conr.</i> (n. g.)
	<i>Saxicava carditoides</i> <i>Conr.</i>	213	<b>crassatelloides</b> <i>Conr.</i>
	<i>P. cylindracea</i> <i>Desh.</i>	214	<b>Sanguinolaria Nuttalli</b>
213	<b>Siliqua Nuttalli</b> <i>Conr.</i>		<i>Conr.</i>
	<i>Solecurtus Nuttalli</i> <i>Conr.</i>		<i>Psammobia decora</i> <i>Hinds.</i>
	<i>maximus</i> <i>Gould</i> ,	214	<b>Margaritaria</b> <i>Conr.</i> (n. g.,
	non <i>Wood.</i>	214	<b>Parapholas</b> <i>Conr.</i> (n.g.) [ <i>fos.</i> ]
	<i>Solen splendens</i> <i>Chenu.</i>	214	<b>Californica</b> <i>Conr.</i>
		214	<b>Janelli</b> <i>Desh.</i>

**Conrad.**—Descriptions of new Fresh-water and Marine Shells: by T. A. CONRAD. (From same as last, part iv, p. 275. Jan. 1850.)

Page.	Plate.	Fig.	Name.	Locality.
275	xxxvii	1	<b>Unio securiformis</b> <i>Conr.</i>	Flint river, Ga.
275	xxxvii	2	<b>stagnalis</b> <i>Conr.</i>	Ogeechee riv., Ga.
275	xxxvii	3, 4	<b>Ogeecheensis</b> <i>Conr.</i>	Ogeechee riv., Ga.
275	xxxvii	5	<b>rosaceus</b> <i>Conr.</i>	Savannah river.
276	xxxvii	6	<b>oratus</b> <i>Conr.</i>	Flint river, Ga.
276	xxxvii	7	<b>contrarius</b> <i>Conr.</i>	Ogeechee riv., Ga.
276	xxxvii	8	<b>nucleopsis</b> <i>Conr.</i>	Etowah river, Ga.
276	xxxvii	9	<b>limatus</b> <i>Conr.</i>	Savannah river.
276	xxxviii	2	<b>perplicatus</b> <i>Conr.</i>	Jackson, La.
			<i>U. atrocostatus</i> <i>Lea.</i>	
277	xxxviii	4, 8	<b>nodiferus</b> <i>Conr.</i>	Jackson, La.
277	xxxviii	7	<b>plectophorus</b> <i>Conr.</i>	Flint river, Ga.
			<i>U. aratus.</i>	
277	xxxviii	11	<b>Mississippiensis</b> <i>Conr.</i>	Lower Mississippi.
277	xxxviii	1	<b>Melania subilirata</b> <i>Conr.</i>	Savannah river.
278	xxxviii	3	<b>oculatura</b> <i>Conr.</i>	Savannah river.
278	xxxviii	5	<b>symmetrica</b> <i>Conr.</i>	Savannah river.
278	xxxviii	6	<b>perangulata</b> <i>Conr.</i>	Savannah river.
278	xxxviii	9	<b>nebulosa</b> <i>Conr.</i>	Savannah river.
278	xxxviii	10	<b>percarinata</b> <i>Conr.</i>	Savannah river.

[Here follow descriptions of marine shells from Lower California and Peru. The particular locality not being given, they are all quoted among the foreign species.—W. G. B.]

**Conrad.**—Descriptions of new Species of Unio: by T. A. CONRAD. (From same as last, vol. ii, part iv. February, 1854.)

Page.	Plate.	Fig.	Name.	Locality.
295	xxvi	1	<i>Unio Aberti</i> Conr. <i>U. Lamarckianus</i> Lea.	Chambers' ford, Verdigris river, Ark.
296	xxvi	5	<i>hebetatus</i> Conr.	Missouri.
296			<i>rivularis</i> Conr. ( <i>Uniomorus</i> ), <i>U. declivis</i> Conr., non Say.	
296	xxvi	7	<i>porrectus</i> Conr. <i>U. parallelus</i> Conr. (preoc.)	Jackson, Miss.
297	xxvi	8	<i>arquatus</i> Conr.	Wabash river.
297	xxvii	1	<i>subcroceus</i> Conr.	Trib. of Canadian riv., Ark.
297	xxvii	2, 3	<i>nobilis</i> Conr.	Bayou Teche.
297	xxvii	4	<i>pectitus</i> Conr.	Wabash river.
298	xxvii	5	<i>altus</i> Conr.	Tennessee?
298	xxvii	6	<i>velatus</i> Conr.	River St. Foia.

**Conrad.**—Synopsis of the Genera *Parapholas* and *Penitella*: by T. A. CONRAD. (From same as last, p. 335. No descriptions.)

Page.		Page.	
335	<i>Parapholas Californica</i> Conr.	335	<i>Penitella tubijera</i> Val.
	<i>Pholas Californica</i> Conr.	335	<i>xylophaga</i> Val.
	<i>Janelli</i> Desh.	335	<i>melanura</i> .
335	<i>Penitella Conradi</i> Val.		<i>Pholas melanura</i> Sowb.
	<i>Pholas penita</i> Conr.		<i>Penitella Wilsoni</i> Conr.
	<i>concammerata</i> Desh.		[not <i>Parapholas bisulcata</i> .]

**Adams.**—Description of a Species of *Haliotis* supposed to be new: by C. B. ADAMS. (From Silliman's Amer. Journ. Sci., n. s., vol. vi, p. 138. July, 1848.)

Page.	
138	<i>Haliotis ponderosa</i> Adams.

**Anonymous.**—Conchology. (From the Naturalist, edited by D. J. Browne, vol. ii. Boston, 1832. With a plate.)

Page.	Date.	Title of article.
65	March, 1832.	
68-73	March, 1832.	Explanation of the Parts of Shells.

Page.	Date.	Title of article.
101-104	April, 1832.	On the Constituent Parts of Shells.
137-146	May, 1832.	On the Formation of Shells.
165-175	June, 1832.	On the Colors of Shells.
202-207	July, 1832.	On the Formation of the Umbilicus, Protuberances, &c.
235-238	Aug. 1832.	On the Production of Pearls.
271-275	Sept. 1832.	On the Habitation of Testaceous Animals.
303-306	Oct. 1832.	On the Methods of Fishing and Collecting Shells.
341-348	Nov. 1832.	On the Methods of Polishing Shells.

**Cooper.**—List of Shells collected by Mr. Schoolcraft in the Western and Northwestern Territory: by WILLIAM COOPER. (In Appendix to Narrative of an Expedition through the Upper Missouri to Itasca Lake, &c., under the direction of Henry B. Schoolcraft, p. 153. New York, 1834.)

Page.	Name.	Locality.
153	<i>Helix albolabris</i> Say.	Lake Michigan.
153	<i>alternata</i> Say.	Wabash river.
153	<i>Planorbis campanulatus</i> Say.	Itasca Lake.
153	<i>trivolvus</i> Say.	Lake Michigan.
153	<i>Lymneus umbrosus</i> Say.	Lake Winnipeg, &c.
154	<i>reflexus</i> Say.	Rainy Lake, &c.
154	<i>stagnalis</i> .	Lake a la Crosse.
154	<i>Paludina ponderosa</i> Say.	Wisconsin river.
154	<i>vivipara</i> Say.	
154	<i>Melania Virginia</i> Say.	Lake Michigan.
154	<i>Anodonta cataracta</i> Say.	Chicago.
154	<i>corpulenta</i> Cooper (description).	Upper Missouri river.
154	<i>Alasmodonta complanata</i> Barnes.	Shell Lake, &c.
154	<i>rugosa</i> Barnes.	St. Croix, &c.
155	<i>marginata</i> Say.	Lake Vaseux, &c.
155	<i>edentula</i> Say?	Lake Vaseux, &c.
155	<i>areolata</i> Sw.?	Lake Vaseux, &c.
155	<i>Unio tuberculatus</i> Barnes.	Painted Rock.
155	<i>pustulatus</i> Lea.	Upper Missouri river.
155	<i>verrucosus</i> Barnes.	St. Croix river, &c.
155	<i>plicatus</i> Lesueur.	Prairie du Chien, &c.
155	<i>trigonus</i> Lea.	Prairie du Chien, &c.
155	<i>ebenus</i> Lea.	Upper Missouri river.
155	<i>gibbosus</i> Barnes.	St. Croix river.
155	<i>rectus</i> Lam.	Upper Missouri river.
	<i>U. praelongus</i> Barnes.	

Page.	Name.	Locality.
155	<i>Unio siliquoides</i> Barnes.	Upper Missouri river.
155	<i>inflatus</i> Barnes.	Upper Missouri river.
155	<i>complanatus</i> Lea. <i>U. purpureus</i> Say.	Lake Vasenz.
155	<i>crassus</i> Say.	Upper Missouri river.
155	<i>radiatus</i> Barnes.	Lake Vasenz.
155	<i>occidens</i> Lea. <i>U. ventricosus</i> Say.	Wisconsin river, &c.
156	<i>ventricosus</i> Barnes.	Upper Missouri river.
156	<i>alatus</i> Say. <i>Symphynota alata</i> Lea.	Upper Missouri river.
156	<i>gracilis</i> Barnes. <i>Symphynota gracilis</i> Lea.	Upper Missouri river.

**Tufts.**—A List of Shells collected at Swampscot, Lynn, and vicinity: by SAMUEL TUFTS, Jr. (From Proceedings of Essex Institute, vol. i, p. 25. Salem, Mass., 1856.)

[No descriptions are given, but notes on locality, &c.—W. G. B.]

Page.		Page.	
26	<i>Teredo dilatata</i> St.	27	<i>Petricola pholadiformis</i> .
26	<i>Pholas crispata</i> .	27	<i>Sanguinolaria fusca</i> .
26	<i>costata</i> ?	27	<i>sordida</i> .
26	<i>Solen ensis</i> .	27	<i>Tellina tenera</i> .
26	<i>Machæra costata</i> .	27	<i>tenta</i> .
26	<i>Solemya velum</i> .	27	<i>Lucina radula</i> .
26	<i>borealis</i> .	27	<i>flexuosa</i> .
26	<i>Glycymeris siliqua</i> .	27	<i>Cyclas partumeia</i> .
26	<i>Mya arenaria</i> .	27	———?
26	<i>truncata</i> .	27	<i>Astarte castanea</i> .
26	<i>Corbula contracta</i> ?	27	<i>sulcata</i> .
26	<i>Pandora trilineata</i> .	27	<i>quadrans</i> .
26	<i>Osteodesma hyalina</i> .	27	<i>Cyprina Islandica</i> .
26	<i>Anatina papyracea</i> .	27	<i>Cytherea convexa</i> .
26	<i>Cochlodesma Leana</i> .	27	<i>Venus mercenaria</i> .
26	<i>Thracia Conradi</i> .	27	<i>gemma</i> .
26	<i>Couthouyi</i> St.	27	<i>Cardium pinnulatum</i> .
26	<i>truncata</i> .	27	<i>Islandicum</i> .
27	<i>Maetra solidissima</i> .	28	<i>Gronlandicum</i> .
27	<i>ovalis</i> .	28	<i>Cardita borealis</i> .
27	<i>Mesodesma arcata</i> .	28	<i>Nucula thracisiformis</i> .
27	<i>Kellia rubra</i> .	28	<i>limatula</i> .
27	<i>Saxicava distorta</i> .	28	<i>minuta</i> .

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28	<i>Nucula myalis.</i>
28	<i>sapotilla.</i>
28	<i>proxima.</i>
28	<i>tenuis.</i>
28	<i>Unio complanatus.</i>
28	<i>Anodon fluviatilis.</i>
28	<i>Mytilus edulis.</i>
28	var. <i>pellucidus.</i>
28	<i>Modiola modiolus.</i>
28	<i>plicatula.</i>
28	<i>discrepans.</i>
28	<i>nexa.</i>
28	<i>discors.</i>
28	<i>glandula.</i>
28	<i>Ostrea</i> ———,
28	<i>Anomia ephippium.</i>
28	<i>Terebratula caputserpentis.</i>
28	<i>Chiton marmoreus.</i>
28	<i>fulminatus.</i>
28	<i>ruber.</i>
28	<i>albus.</i>
28	<i>Emersonianus.</i>
28	<i>Lottia testudinalis.</i>
29	<i>alveus.</i>
29	<i>Dentalium dentale.</i>
29	<i>Cemoria Noachina.</i>
29	<i>Crepidula fornicata.</i>
29	<i>plana.</i>
29	<i>convexa.</i>
29	<i>glauca.</i>
29	<i>Bulla insculpta.</i>
29	<i>triticea.</i>
29	<i>puncto-striata.</i>
29	<i>canaliculata.</i>
29	<i>Gouldii.</i>
29	<i>debilis.</i>
29	<i>lineolata.</i>
29	<i>obstricta.</i>
29	<i>Helix albolabris.</i>
29	<i>alternata.</i>
29	<i>arborea.</i>
29	<i>indentata.</i>
29	<i>lineata.</i>
29	<i>labyrinthica.</i>
29	<i>minuscula.</i>

Page.

29	<i>Helix pulchella.</i>
29	<i>striatella.</i>
29	——— ?
29	<i>Bulimus lubricus.</i>
29	<i>Succinea campestris.</i>
30	<i>Auricula bidentata.</i>
30	<i>Planorbis lentus.</i>
30	<i>bicarinatus.</i>
30	<i>armigerus.</i>
30	<i>hirsutus.</i>
30	<i>Physa heterostropha.</i>
30	<i>ancillaria.</i>
30	<i>elongata.</i>
30	<i>Limnæa columella.</i>
30	<i>macrostoma.</i>
30	<i>umbilicata.</i>
30	<i>elodes.</i>
30	<i>Ancylus fuscus.</i>
30	<i>Valvata pupoidea.</i>
30	<i>Paludina decisa.</i>
30	<i>Natica heros.</i>
30	<i>triseriata.</i>
30	<i>immaculata.</i>
30	<i>canaliculata.</i>
30	<i>duplicata.</i>
30	<i>pusilla.</i>
30	<i>clausa.</i>
30	<i>Velutina lævigata.</i>
30	<i>zonata.</i>
30	<i>Sigaretus halliotoideus.</i>
30	<i>Scalaria Groenlandica.</i>
31	<i>Margarita cinerea.</i>
31	<i>obscura.</i>
31	<i>undulata.</i>
31	<i>arctica.</i>
31	<i>argentata.</i>
31	<i>Littorina rudis.</i>
31	<i>tenebrosa.</i>
31	<i>palliatæ.</i>
31	<i>Lacuna neritoides.</i>
31	<i>vineta.</i>
31	var. <i>fusca.</i>
31	<i>Cingula minuta.</i>
31	<i>aculeus.</i>
31	<i>Turritella erosa.</i>

Page. 31 <i>Turritella acicula</i> . 31 <i>Pyramis striatula</i> . 31 <i>Odostomia exigua</i> . 31 <i>Pleurotoma decussata</i> . 32 <i>Cancellaria Couthouyi</i> . 32 <i>Fusus Islandicus</i> . <i>decemcostatus</i> . 32 <i>Bamffius</i> . 32 <i>rufus</i> . 32 <i>harpularius</i> . 32 <i>pygmaeus</i> . 32 <i>Rostellaria occidentalis</i> .	Page. 32 <i>Purpura lapillus</i> . 32 <i>Trichotropis borealis</i> . 32 <i>Buccinum pilcosum</i> . <i>undatum</i> . 32 <i>obsoletum</i> . 32 <i>trivittatum</i> . 32 <i>rosaceum</i> . 32 <i>lunatum</i> . 32 <i>Xylophaga cuneiformis</i> . 32 <i>Helix hortensis</i> . 32 <i>Turritella interrupta</i> .
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**Gould.**—Catalogue of Shells collected in California by W. P. Blake, with descriptions of the new species: by AUGUSTUS A. GOULD, M. D. (From Appendix to the Preliminary Geological Report of William P. Blake, Geologist of the Survey in California under the command of Lieut. R. S. Williamson. Washington, 1855.)

[Though referred to House Document 129, I cannot find it in the Congressional Reports. It seems to have been published separately in this octavo form. It occurred subsequently in quarto, with plates, in the Pacific Railroad Report, vol. v, q. v.—W. G. B.]

No descriptions are given of the following:—

Page.	Name.	Locality.
22	<i>Ostrea</i> ——.	San Diego.
22	<i>Pecten latiauratus</i> Conrad.	San Diego.
22	<i>Pecten</i> ——.	San Diego.
22	<i>Mytilus edulis</i> .	San Francisco.
22	<i>Modiola capax</i> Conrad.	San Diego.
22	<i>Venus Nuttallii</i> Conrad.	San Pedro.
22	<i>fluctifraga</i> Sowerby.	San Diego.
22	<i>Tapes grata</i> Say.	San Pedro.
	<i>T. discors</i> Sowerby.	
	<i>straminea</i> Conrad.	
22	<i>gracilis</i> Gould.	San Pedro.
22	<i>Cycolas</i> ——.	Colorado Desert.
22	<i>Cardium oruentatum</i> Gould.	San Diego.
22	<i>Lucina orbella</i> Gould.	San Pedro.
22	<i>Nuttallii</i> Conrad.	San Pedro.
22	<i>Mesodesma rubrotincta?</i> Sowerby.	San Pedro.



Page.	Name.	Locality.
22	<i>Tellina vicina</i> Adams.	San Diego.
22	<i>secta</i> Conrad.	San Pedro.
22	<i>Sphenia Californica</i> Conrad.	San Diego.
22	<i>Petricola cylindracea</i> Desh. <i>P. carditoidea</i> Conrad.	Monterey, San Pedro.
22	<i>Solecurtus Californiensis</i> Conrad.	San Diego.
22	<i>Gnathodon Lecontei</i> Conrad.	Colorado Desert.
22	<i>Lottia scabra</i> Gould.	San Francisco.
22	<i>patina</i> Esch.	San Pedro.
22	<i>mitra</i> Brod.	San Pedro.
22	<i>Calyptrea hispida</i> Brod.	San Pedro, San Diego.
22	<i>Crepidula incurva</i> Brod.	San Pedro.
22	<i>Bulla nebulosa</i> Gould.	San Diego.
22	( <i>Haminea</i> ) <i>virescens</i> Sowerby.	San Diego.
22	<i>vesicula</i> Gould.	San Diego.
22	( <i>Tornatina</i> ) <i>incolta</i> Gould.	San Diego.
22	<i>Trochus mcestus</i> Jonas.	San Diego.
22	<i>Phasianella compta</i> Gould.	San Diego.
22	<i>Littorina</i> ———.	
22	<i>Melampus</i> ———.	San Diego.
22	<i>Oliva biplicata</i> .	San Pedro.
22	<i>Potamis pullatus</i> Gould.	San Diego.
22	<i>Amnicola protea</i> Gould.	Colorado Desert.
22	<i>longinqua</i> Gould.	Colorado Desert.
22	<i>Planorbis ammon</i> Gould.	Color. Des., Ocoya cr.
22	<i>Physa humerosa</i> Gould.	Colorado Desert.
22	<i>Succinea</i> ———.	Ocoya creek.

Descriptions are given of the following:—

23	<i>Physa humerosa</i> Gould.	Color. Des., Pecos riv.
23	<i>Planorbis ammon</i> Gould.	Colorado Desert.
24	<i>Amnicola protea</i> Gould.	Colorado Desert.
24	<i>longinqua</i> Gould.	Colorado Desert.
25	<i>Potamis pullatus</i> Gould.	San Diego.
25	<i>Phasianella compta</i> Gould.	San Diego.
26	<i>Bulla</i> ( <i>Tornatina</i> ) <i>incolta</i> Gould.	San Diego.
26	( <i>Haminea</i> ) <i>vesicula</i> Gould.	San Diego.
26	<i>Cardium cruentatum</i> Gould.	San Pedro.
27	<i>Tapes gracilis</i> Gould.	San Pedro.
27	<i>Mytilus edulis</i> ?	San Francisco.
28	<i>Ostrea</i> ———.	San Diego.
28		San Diego.
28	<i>Pecten</i> ———.	San Diego.

**Gould.**—Catalogue of the Recent Shells, with descriptions of the new species: by AUGUSTUS A. GOULD, M. D. (From the Reports of Explorations and Surveys to ascertain the most practicable and economical Route for a Railroad from the Mississippi River to the Pacific Ocean, &c., by Lieut. R. S. Williamson, Top. Eng., vol. v. 33d Congress, 2d Session, Senate Ex. Doc., No. 78, vol. xiii, pt. v. 4to. Washington, 1856. The general title-page of the Report bears the date of 1853, that of Part II, of which this paper forms an Appendix, bears the date of 1857. Like all the Pacific Railroad Reports, it forms a portion also of the House Documents.)

No descriptions are given of the following:—

Page.	Name.	Locality.
330	<i>Ostrea</i> ———.	San Diego.
330	<i>Pecten monotimeris</i> Conrad.	San Diego.
330	<i>ventricosus</i> Sowerby. <i>P. tumidus</i> Sowerby.	San Diego.
330	<i>Mytilus edulis</i> .	San Francisco.
330	<i>Modiola capax</i> Conrad.	San Diego.
330	<i>Venus Nuttallii</i> Conrad.	San Pedro.
330	<i>fluctifraga</i> Sowerby.	San Diego.
330	<i>Tapes grata</i> Say. <i>T. discors</i> Sowerby. <i>straminea</i> Conrad.	San Pedro.
330	<i>graecilis</i> Gould.	San Pedro.
330	<i>Cyclus</i> ———?	Colorado Desert.
330	<i>Cardium cruentatum</i> Gould.	San Diego.
330	<i>Lucina orbella</i> Gould.	San Pedro.
330	<i>Nuttallii</i> Conrad.	San Pedro.
330	<i>Mesodesma rubrotincta?</i> Sowerby.	San Pedro.
330	<i>Tellina vicina</i> Adams.	San Diego.
330	<i>secta</i> Conrad.	San Pedro.
330	<i>Sphaenia Californica</i> Conrad.	San Diego.
330	<i>Petricola carditoides</i> Conrad. <i>P. cylindracea</i> Desh.	Monterey, San Pedro.
330	<i>Solecurtus Californiensis</i> Conrad.	San Diego.
330	<i>Gnathodon Leoontel</i> Conrad. <i>G. trigonum</i> Petit.	Colorado Desert.
330	<i>Lottia scabra</i> Gould.	San Francisco.
330	<i>patina</i> Esch.	San Pedro.
330	<i>Scurria pallida</i> Gr. <i>Lottia mitra</i> Br.	San Pedro.

Page.	Name.	Locality.
330	<i>Calyptra hispida</i> Br.	San Pedro, San Diego.
330	<i>Crepidula incurva</i> Br.	San Pedro.
330	<i>Bulla nebulosa</i> Gould.	San Diego.
330	( <i>Haminea</i> ) <i>virescens</i> Sowerby	San Diego.
330	<i>vesicula</i> Gould.	San Diego.
330	<i>Bulla</i> ( <i>Tornatina</i> ) <i>incolta</i> Gould.	San Diego.
330	<i>Trochus moestus</i> Jonas.	San Diego.
330	<i>Phasianella compta</i> Gould.	San Diego.
331	<i>Littorina</i> ———.	San Diego.
331	<i>Melampus</i> ———.	San Diego.
331	<i>Oliva biplicata</i> Sowerby.	San Pedro.
331	<i>Potamis pullatus</i> Gould.	San Diego.
331	<i>Amnicola protea</i> Gould.	Colorado Desert.
331	<i>longinqua</i> Gould.	Colorado Desert.
331	<i>Planorbis ammon</i> Gould.	Color. Des., Ocoya cr.
331	<i>Physa humerosa</i> Gould.	Colorado Desert.
331	<i>Succinea</i> ———.	Ocoya creek.
331	<i>Helix Vancouverensis</i> Lea.	San Francisco.
331	<i>San Diegoensis</i> .	Point Reyes.
331	<i>infumata</i> Gould.	Point Reyes.
331	<i>Oregonensis</i> Lea.	Cypress Point.

Descriptions are given of the following:—

#### FRESH-WATER SHELLS FROM THE COLORADO DESERT.

Page.	Plate.	Fig.	Name.	Locality.
331	xi	1-5	<i>Physa humerosa</i> Gould.	Color. Des., Pecos riv.
331	xi	12-18	<i>Planorbis ammon</i> Gould.	Colorado Desert.
332	xi	6-9	<i>Amnicola protea</i> Gould.	Colorado Desert.
			<i>Melania exigua</i> Conrad.	
333	xi	10-11	<i>longinqua</i> Gould.	Colorado Desert.

#### MARINE SHELLS FROM THE COAST.

333	xi	23-24	<i>Potamis pullatus</i> Gould.	San Diego.
333	xi	25-26	<i>Phasianella compta</i> Gould.	San Diego.
334	xi	27-28	<i>Bulla</i> ( <i>Tornatina</i> ) <i>incolta</i> Gld.	San Diego.
334	xi	29	( <i>Haminea</i> ) <i>vesicula</i> Gould.	San Diego.
334	xi	21-22	<i>Cardium orientatum</i> Gould.	San Pedro.
335	xi	19-20	<i>Tapes gracilis</i> Gould.	San Pedro.
335			<i>Mytilus edulis</i> ?	San Francisco.
335			<i>Ostrea</i> ——— ?	San Pedro.
336			——— ?	San Diego.

**Lea, Binney.**—Explorations in Nebraska. Preliminary Report of Lieut. G. K. Warren, Top. Eng., &c. &c. Dr. F. V. Hayden's Report on Geology and Natural History. (From Executive Documents printed by order of the House of Representatives during the 2d Session of the 35th Congress, 1858-9, vol. ii, pt. iii, p. 723. Washington, 1859.)

Page.	Name.	Locality.
<b>Isaac Lea.</b>		
723	Notes on Geographical Distribution.	

## FLUVIATILE SHELLS.

724	<i>Unio alatus</i> Say.	Big Sioux river.
724	<i>levissimus</i> Lea.	Big Sioux river.
724	<i>luteolus</i> Lam.	Big Sioux river.
724	<i>asperimus</i> Lea.	Big Sioux river.
724	<i>rectus</i> Lea.	Big Sioux river.
724	<i>elegans</i> Lea.	James river.
724	<i>zig-zag</i> Lea.	White Earth river.
724	<i>anodontoides</i> Lea.	James river.
724	<i>Margaritana ocomplanata</i> Lea.	Fort Clark, Mo.
724	<i>Anodonta Ferrussaciana</i> Lea.	Whiteriver, Nebraska.
724	<i>Lymnea elodes</i> Say.	Big Sioux river.
724	<i>Nuttalliana</i> Lea.	Big Sioux river.
724	<i>humilis</i> Say.	Big Sioux river.
724	<i>Haydeni</i> Lea.	Big Sioux river.
724	<i>Kirtlandiana</i> Lea.	Big Sioux river.
724	<i>umbrosa</i> Say.	Grindstone river, N. T.
724	<i>lubricoides</i> Lea.	Grindstone river, N. T.
724	<i>Philadelphica</i> Lea.	Grindstone river, N. T.
724	<i>Planorbis bicarinatus</i> Say.	Mouth of Big Sioux river.
724	<i>trivolvus</i> Say.	Mouth of Big Sioux river.
724	<i>lentus</i> Say.	Mouth of Big Sioux river.
724	<i>parvus</i> Say.	Mouth of Big Sioux river.
724	<i>campanulatus</i> Say.	Mouth of Big Sioux river.
724	<i>Physa heterostropha</i> Say.	Mouth of Big Sioux river.
724	<i>integra</i> Hald.?	Mouth of Big Sioux river.
724	<i>elongata</i> Say.	Mouth of Big Sioux river.
724	<i>ampularia</i> Say.	Mouth of Big Sioux river.
725	<i>Pisidium</i> ——?	Grindstone creek.
725	<i>Cyclos</i> ——?	Grindstone creek.
725	<i>Daphnia</i> ——?	Grindstone creek.
725	<i>Amnicola porata</i> Say.	Fort Berthold.
725	<i>lapidaria</i> .	Fort Berthold.

W. G. Binney.

## LAND SHELLS.

Page.	Name.	Locality.
725	<i>Helix minuscula</i> Binney.	Council Bluff, N. T.
725	<i>lineata</i> Say.	Council Bluff, N. T.
725	<i>striatella</i> Anthony.	Council Bluff, N. T.
725	<i>inflecta</i> Say.	Council Bluff, N. T.
725	<i>hirsuta</i> Say.	Council Bluff, N. T.
725	<i>solitaria</i> Say.	Council Bluff, N. T.
725	<i>alternata</i> Say.	Council Bluff, N. T.
725	<i>elevata</i> Say.	Council Bluff, N. T.
725	<i>fallax</i> Say.	Council Bluff, N. T.
725	<i>concava</i> Say.	Council Bluff, N. T.
725	<i>liger</i> Say.	Council Bluff, N. T.
725	<i>profunda</i> Say.	Near Ft. Leavenworth, K. T.
725	<i>multilineata</i> Say.	Near Ft. Leavenworth, K. T.
725	<i>monodon</i> Rack.	Near Ft. Leavenworth, K. T.
725	<i>pulchella</i> Müll. (p. 724).	Near Ft. Leavenworth, K. T.
725	<i>ocostata</i> Müll. (p. 724).	Near Ft. Leavenworth, K. T.
725	<i>arborea</i> Say.	Near Fort Berthold.
725	<i>ohersina</i> Say.	Near Fort Berthold.
725	<i>electrina</i> Gould.	Near Fort Berthold.
725	<i>Cooperi</i> W. G. Binney (n. s.)	Black hills, N. T.
725	<i>Pupa Nebraskana</i> W. G. Binn. (n. s.)	Fort Berthold, K. T.
725	<i>Blandi</i> W. G. Binney (n. s.)	Fort Berthold, K. T.
725	<i>pentodon</i> Say.	Council Bluff, N. T.
725	<i>modesta</i> Say.	Council Bluff, N. T.
725	<i>badia</i> Adams.	Council Bluff, N. T.
725	<i>Bulinus lubricus</i> Müll.	Fort Berthold.
725	<i>Succinea venusta</i> Say.	Yellowstone river.
725	<i>retusa</i> Lea.	Yellowstone river.
725	<i>Haydeni</i> W. G. Binney (n. s.)	Yellowstone river.
725	<i>lineata</i> W. G. Binn. (n. s., p. 724.)	Ft. Union, Yellowstone riv.
725	<i>Nuttalliana</i> Lea.	Fort Union.
725	<i>obliqua</i> Say.	Fort Berthold, N. T.

**Gould.**—Reports of the Commissioners of the Zoological Survey of the State. Boston, 1838. (Mass. House. Doc., No. 72. April, 1838.) Mollusca: by Dr. A. A. GOULD.

[The following species were specified by name only as having been discovered since 1838 (vide ante, p. 39).—W. G. B.]

Page.		Page.	
107	<i>Mya truncata</i> Penn.	107	<i>Tellina sordida</i> Couth.
107	<i>Thracia Conradi</i> Couth.	107	<i>tenera</i> Say.

Page.		Page.	
107	<b>Cryptodon flexuosa</b> Turton.	107	<b>Physa elongata</b> Say.
107	<b>Mesodesma Jauresii</b> De Joannis.	107	<b>Valvata tricarinata</b> Say.
107	<b>Venus fluctuosa</b> Gould, MS.	107	<b>Paludina canaliculata</b> Gld., lustrica Say. [MS.
107	<b>Cardium pubescens</b> Couth.	107	<b>Oxinoë glabra</b> Couth.
107	<b>Nucula thracæformis</b> Stor.	107	<b>Scalaria Nov-Angliæ</b> Couth.
107	<i>lævigata</i> Gould, MS.	107	<i>subulata</i> Couth.
107	<i>myalis</i> Couth.	107	<b>Natica immaculata</b> Totten.
107	<i>tenuisulcata</i> Couth.	107	<i>consolidata</i> Couth.
107	<b>Modiola pectinula</b> Gld., MS.	107	<b>Actæon trifidus</b> Totten.
107	<i>discors</i> Linn.	107	<i>convoluta</i> Gould, MS.
107	<i>discrepans</i> Montagu.	107	<b>Jaminia exigua</b> Couth.
107	<b>Terebratula septentriona-</b> <i>lis</i> Couth.	107	<b>Lacuna neritoidea</b> Gld. MS.
107	<i>thalassina</i> Gould, MS.	107	<b>Turbo incarnatus</b> Couth.
107	<b>Chiton fulminatus</b> Couth.	107	<i>cinereus</i> Couth.
107	<i>sagrinatus</i> Couth.	107	<i>obscurus</i> Couth.
107	<i>Emersonii</i> Couth.	107	<i>aculeus</i> Gould, MS.
107	<i>pectinatus</i> Gould, MS.	107	<b>Turritella erosa</b> Couth.
107	<b>Patella candida</b> Couth.	107	<b>Pyramis striatula</b> Couth.
107	<b>Rimula Noachina</b> Linn.	107	<b>Cancellaria buccinoides</b> Couth.
107	<b>Galericulum ovatum</b> Brown.	107	<b>Trichotropis costellatus</b> Couth.
107	<i>lævigatum</i> Brown.	107	<b>Pleurotoma bicarinata</b> Cou.
107	<b>Bulla insculpta</b> Totten.	107	<b>Fusus pleurotomarius</b> Cou.
107	<i>triticea</i> Couth.	107	<i>harpularius</i> Couth.
107	<i>lineolata</i> Couth.	107	<b>Murex turriculus</b> Montagu.
107	<b>Bullina canaliculata</b> Say.	107	<i>scalariformis</i> Gould, MS.
107	<b>Bulimus lubricus</b> Penn.		

**Eaton.**—Zoological Text-book; containing Cuvier's four grand Divisions of Animals, &c. &c., with short descriptions of some of the most common species, &c. : by AMOS EATON. Albany, 1826.

[The first part of this work is devoted to Systematic Zoology, pp. 111-118 including Mollusca, with descriptions of genera. The second part contains descriptions of many species of animals, the genera being arranged alphabetically. The following are Mollusca, no locality being given. Most of them are foreign.—W. G. B.]

Page.		Page.	
141	<b>Anomia squamula.</b>	153	<b>Arca Nosæ.</b>
141	<i>tridentata.</i>	155	<b>Argonauta argo.</b>
141	<i>terebratula.</i>	155	<b>Ascidia rustica.</b>

Page.		Page.	
159	<i>Buccinum stromboides.</i>	217	<i>Mya purpurea.</i>
159	<i>Bulla ampulla.</i>	218	<i>ovata.</i>
160	<i>fontinalis.</i>	218	<i>cariosa.</i>
166	<i>Cardium edule.</i>	218	<i>ochracea.</i>
169	<i>Chama gigas.</i>	218	<i>nasuta.</i>
169	<i>antiquata.</i>	219	<i>alata.</i>
169	<i>Chiton tuberculatus.</i>	219	<i>cylindrica.</i>
170	<i>Clio pyramidata.</i>	219	<i>undulata.</i>
173	<i>Conus ammiralis.</i>	219	<i>plicata.</i>
176	<i>Cypræa arabica.</i>	219	<i>undata.</i>
176	<i>argus.</i>	219	<i>elliptica.</i>
177	<i>tigris.</i>	220	<i>carinata.</i>
178	<i>Dentalium elephantinum.</i>	220	<i>prælonga.</i>
179	<i>Donax trunculus.</i>	220	<i>gibbosa.</i>
179	<i>Doris argo.</i>	220	<i>cuneata.</i>
193	<i>Haliotis tuberculata.</i>	220	<i>radiata.</i>
193	<i>Helix albilabris.</i>	221	<i>mucronata.</i>
193	<i>thyroidus.</i>	221	<i>inflata.</i>
193	<i>arboreus.</i>	221	<i>ventricosa.</i>
193	<i>tridentata.</i>	221	<i>siliquoidea.</i>
194	<i>alternata.</i>	221	<i>plana.</i>
194	<i>glaphyra.</i>	221	<i>triangularis.</i>
194	<i>trivolvis.</i>	222	<i>gracilis.</i>
194	<i>bicarinatus.</i>	222	<i>parva.</i>
195	<i>parvus.</i>	222	<i>arcuata.</i>
195	<i>catascopus.</i>	222	<i>rugosa.</i>
195	<i>heterostrophus.</i>	222	<i>complanata.</i>
195	<i>subcarinatus.</i>	223	<i>Mytilus margaritiferus.</i>
195	<i>virginica.</i>	224	<i>cataractus.</i>
196	<i>vivipara.</i>	224	<i>marginatus.</i>
196	<i>decisa.</i>	224	<i>Nautilus pompilius.</i>
206	<i>Limax ater.</i>	225	<i>Nerita glaucina.</i>
206	<i>maximus.</i>	227	<i>Onchidium typhæ.</i>
206	<i>agrestis.</i>	228	<i>Ostræa maxima.</i>
208	<i>Mactra solida.</i>	229	<i>Jacobæa.</i>
208	<i>lutraria.</i>	229	<i>edulis.</i>
213	<i>Murex tribulus.</i>	229	<i>plicatula.</i>
213	<i>erinaceous.</i>	232	<i>Patella fornicata.</i>
216	<i>Mya margaritifera.</i>	232	<i>fissura.</i>
216	<i>cornuta.</i>	240	<i>Pholas dactylus.</i>
216	<i>verrucosa.</i>	241	<i>Pinna muricata.</i>
216	<i>nodosa.</i>	252	<i>Sepia officinalis.</i>
217	<i>tuberculata.</i>	252	<i>loligo.</i>
217	<i>rugosa.</i>	256	<i>Solen vagina.</i>
217	<i>crassa.</i>	258	<i>Spondylus quæderopus.</i>

Page.		Page.	
262	<b>Strombus gigas.</b>	267	<b>Teredo navalis.</b>
266	<b>Tellina fragilis.</b>	272	<b>Trochus magnus.</b>
266	<i>radiata.</i>	273	<b>Turbo corticaria.</b>
266	<i>similis. (Amer.)</i>	275	<b>Venus mercenaria. (N. Y.)</b>
266	<i>dubia. (Amer.)</i>	278	<b>Voluta pallida.</b>

**Gould.**—Mollusca and Shells of the United States Exploring Expedition (Com. Wilkes): by A. A. GOULD, M. D. Boston, 1852.

[The following are the American species.—W. G. B.]

Page.	Fig.	Name.	Locality.
2	2, 2 <sup>a</sup> , 2 <sup>b</sup>	<b>Arion foliolatus</b> <i>Gould.</i>	Puget Sound.
3	1-1 <sup>c</sup>	<b>Limax Columbianus</b> <i>Gould.</i>	Puget Sound, &c.
28	29-29 <sup>b</sup>	<b>Succinea rusticana</b> <i>Gould.</i>	Oregon.
36	37	<b>Helix Vancouverensis</b> <i>Lea.</i>	Oregon.
36	41-41 <sup>b</sup>	<i>strigosa</i> <i>Gould.</i>	Puget Sound, &c.
37	42-42 <sup>c</sup>	<i>sportella</i> <i>Gould.</i>	Puget Sound, &c.
66	38	<i>Nuttalliana</i> <i>Lea.</i>	Puget Sound, &c.
66	36	<i>Townsendiana</i> <i>Lea.</i>	Willamet creek.
		<i>Helix pedestris</i> <i>Gould</i> (p. 65).	
		<i>ruida</i> <i>Gould</i> (p. 65).	
67	35-35 <sup>c</sup>	<i>labiosa</i> <i>Gould.</i>	Oregon, &c.
68	39-39 <sup>c</sup>	<i>loricata</i> <i>Gould.</i>	Sacramento river.
69	74-74 <sup>b</sup>	<i>devia</i> <i>Gould.</i>	Puget Sound.
70	40-40 <sup>c</sup>	<i>germana</i> <i>Gould.</i>	Oregon.
112	131-131 <sup>c</sup>	<b>Planorbis vermicularis</b> <i>Gould.</i>	Interior of Oregon.
113	132-132 <sup>c</sup>	<i>opercularis</i> <i>Gould.</i>	Sacramento river.
113	130-130 <sup>b</sup>	<i>corpulentus</i> <i>Say.</i>	Columbia river.
114		<i>trivolvris</i> <i>Say.</i>	
120	138, 138 <sup>a</sup>	<b>Physa virginea</b> <i>Gould.</i>	Sacramento river.
121	141, 141 <sup>a</sup>	<b>Limnea lepida</b> <i>Gould.</i>	Lake Vancouver.
122		<i>apicina</i> <i>Lea.</i>	Oregon.
122		<i>umbrosa</i> <i>Say.</i>	Columbia and Sacramento rivers.
141	164, 164 <sup>a</sup>	<b>Melania sillicula</b> <i>Gould.</i>	Nisqually.
142	163, 163 <sup>a</sup>	<i>bulbosa</i> <i>Gould.</i>	Columbia river.
143	165	<i>plicifera</i> <i>Lea.</i>	Lake George, Oreg.
144	166, 166 <sup>a</sup>	<b>Cerithium (Potamis) sacratum</b>	Sacramento river.
149	175-175 <sup>c</sup>	<i>fiosum</i> <i>Gould.</i> [Gould.]	Puget Sound.
185	207-207 <sup>b</sup>	<b>Trochus ligatus</b> <i>Gould.</i>	Puget Sound.
194	230-230 <sup>b</sup>	<b>Lacuna carinata</b> <i>Gould.</i>	Puget Sound.
197	237, 237 <sup>a</sup>	<b>Littorina patula</b> <i>Gould.</i>	San Francisco.



Page.	Fig.	Name.	Locality.
199	238-238 <sup>b</sup>	<i>Littorina lepida</i> Gould.	Puget Sound.
200	241, 241 <sup>a</sup>	<i>soutulata</i> Gould.	Puget Sound.
201	236-236 <sup>b</sup>	<i>plena</i> Gould.	San Francisco.
206		<i>Scalaria australis</i> Lam.	Puget Sound.
211	253, 253 <sup>a</sup>	<i>Natica Lewisii</i> Gould.	Puget Sound.
212	254, 254 <sup>a</sup>	<i>caurina</i> Gould.	Straits of de Fuca.
214	256, 256 <sup>a</sup>	<i>algida</i> Gould.	Classet, Oregon.
219	275	<i>Trichotropis cancellata</i> Hinds.	Straits of de Fuca.
233	284-284 <sup>b</sup>	<i>Fusus fidicula</i> Gould.	Puget Sound.
234	285-285 <sup>b</sup>	<i>orpheus</i> Gould.	Puget Sound.
241		<i>Triton Oregonense</i> Jay. <i>Fusus Oregonense</i> Rve. <i>cancellatus</i> Rve.	Puget Sound.
244	310, 310 <sup>a</sup>	<i>Purpura ostrina</i> Gould.	Killimook, Oregon.
254	321, 321 <sup>a</sup>	<i>Buccinum fossatum</i> Gould.	Puget Sound, &c.
263	331, 331 <sup>a</sup>	<i>Nassa mendica</i> Gould.	Puget Sound, &c.
264	332, 332 <sup>a</sup>	<i>rubricata</i> Gould.	Pacific coast.
267	337-337 <sup>b</sup>	<i>Columbella gausapata</i> Gould.	Puget Sound.
309		<i>Chlorœa</i> Gould. (n. g.)	
310	404-404 <sup>b</sup>	<i>leonina</i> Gould.	Puget Sound.
311		<i>Dendronotus</i> ———.	Puget Sound.
311		<i>Goniodoris</i> ———.	Puget Sound.
311		<i>Doris</i> ———.	Puget Sound.
311		<i>Eolis</i> ———.	Puget Sound.
313	436	<i>Chiton mucosus</i> Gould.	Puget Sound.
321	433-433 <sup>b</sup>	<i>dentiens</i> Gould.	Puget Sound.
322	423-423 <sup>b</sup>	<i>interstinctus</i> Gould.	Puget Sound.
323	426-426 <sup>b</sup>	<i>vespertinus</i> Gould.	Puget Sound.
344	445-445 <sup>b</sup>	<i>Patella fimbriata</i> Gould.	Straits of de Fuca.
346	454, 454 <sup>a</sup>	<i>instabilis</i> Gould.	Puget Sound.
346	458, 458 <sup>a</sup>	<i>conica</i> Gould.	Puget Sound.
348	456-456 <sup>b</sup>	(Lottia?) <i>scabra</i> Gould.	San Francisco.
349	457-457 <sup>b</sup>	<i>textilis</i> Gould.	Straits of de Fuca.
351	455-455 <sup>a</sup>	<i>Lottia pintadina</i> Gould. <i>Acmœa patina</i> Esch. ? <i>scutum</i> Esch. ?	Straits of de Fuca, &c.
367	471-471 <sup>b</sup>	<i>Fissurella oratitia</i> Gould.	Puget Sound.
368	475-475 <sup>b</sup>	<i>Rimula cucullata</i> Gould.	Puget Sound.
369	476-476 <sup>a</sup>	<i>galeata</i> Gould.	Puget Sound.
375	482-482 <sup>b</sup>	<i>Crepidula rostriformis</i> Gould.	Straits of de Fuca.
376	481-481 <sup>a</sup>	<i>lingulata</i> Gould.	Puget Sound.
377	480-480 <sup>b</sup>	<i>nummaria</i> Gould.	Classet.
379	484-484 <sup>b</sup>	<i>Calyptrea fastigiata</i> Gould.	Puget Sound.
384	498-498 <sup>b</sup>	<i>Mya præcisâ</i> Gould.	Puget Sound.
385	507-507 <sup>b</sup>	<i>Panopœa generosa</i> Gould.	Puget Sound.

Page.	Fig.	Name.	Locality.
387	501-501 <sup>b</sup>	<i>Solen sicarius</i> Gould.	Straits of de Fuca.
393	506-506 <sup>b</sup>	<i>Maetra falcata</i> Gould.	Puget Sound.
395	508-508 <sup>b</sup>	<i>Lutraria maxima</i> Midd. <i>L. capax</i> Gould.	Puget Sound.
397	509-509 <sup>b</sup>	<i>Osteodesma bracteatum</i> .	Puget Sound.
399		<i>Saxidomus Nuttalli</i> Conr.	Straits of de Fuca.
417	532, 532 <sup>a</sup>	<i>Cardita ventricosa</i> Gould.	Puget Sound.
418	534, 534 <sup>a</sup>	<i>Cardium blandum</i> Gould.	Puget Sound.
420	538-588 <sup>b</sup>	<i>Venus rigida</i> Gould.	Puget Sound, &c.
426	527-527 <sup>b</sup>	<i>Cyclas patella</i> Gould.	Oregon.
432	544-544 <sup>b</sup>	<i>Unio famelicus</i> Gould.	Wallawalla.
433	545-545 <sup>b</sup>	<i>Alasmodonta falcata</i> Gould.	Wallawalla, &c.
435	546-546 <sup>b</sup>	<i>Anodonta cognata</i> Gould.	Nisqually, &c.
436		<i>angulata</i> Lea.	Sacramento river.
436	547-547 <sup>b</sup>	<i>feminalis</i> Gould.	Wallawalla, &c.
450	567, 567 <sup>a</sup>	<i>Mytilus trossulus</i> Gould.	Puget Sound.
453	561, 561 <sup>a</sup>	( <i>Modiola</i> ) <i>flabellatus</i> Gould.	Puget Sound.
457	570, 570 <sup>a</sup>	<i>Pecten hericius</i> Gould.	Straits of de Fuca.
458	569-569 <sup>b</sup>	<i>caurinus</i> Gould.	Port Townsend.
467	581-581 <sup>a</sup>	<i>Terebratula pulvinata</i> Gould.	Puget Sound.
468	582-582 <sup>a</sup>	<i>caurina</i> Gould.	Puget Sound.

## ADDENDA AND CORRIGENDA.

Page.		Page.	
501*	<i>Helix loricatea</i> Gould. <i>H. Lecontei</i> Lea.	503*	<i>Natica Lewisii</i> Gould. <i>N. herculea</i> Midd.
501*	<i>devia</i> Gould. <i>H. Baskervillei</i> Pfr.	508*	<i>Lutraria capax</i> Gould. <i>L. maxima</i> (preoc.)
503*	<i>Trochus ligatus</i> Gould. <i>T. castaneus</i> Forbes.		

**Conrad.**—Descriptions of Marine Shells from Upper California, collected by Thomas Nuttall, Esq.: by T. A. CONRAD. (From Journ. Acad. Nat. Sci., of Philadelphia, vol. vii, pt. 2, p. 227, 1837.)

[This paper was very imperfectly quoted on p. 53. I give both foreign and American species here.—W. G. B.]

Page.	Plate.	Fig.	Name.	Locality.
228	xvii	1	<i>Pandora punctata</i> Conr.	Sta. Barbara.
228	xvii	2	<i>Cardium substriatum</i> Conr.	St. Diego.
229	xvii	3	<i>Nuttalli</i> Conr.	Estuary of Columbia r.
229	xvii	4	<i>Californianum</i> Conr.	Sta. Barbara.

Page.	Plata.	Fig.	Name.	Locality.
230	xvii	5	<i>Cardium quadragenarium</i> <i>Conr.</i>	Sta. Barbara.
230	xvii	6	<i>Sanguinolaria Nuttalli</i> <i>Conr.</i>	St. Diego.
231	xvii	7	<i>Californiana</i> <i>Conr.</i>	Estuary of Columbia r.
231	xvii	8	<i>Solecurtus lucidus</i> <i>Conr.</i>	Sta. Barbara.
232	xvii	9	<i>Nuttalli</i> <i>Conr.</i>	Estuary of Columbia r.
232			<i>Cultellus</i> <i>Conr.</i> (n. s. g.)	
233	xvii	10	<i>Solecurtus subteres</i> <i>Conr.</i>	Sta. Barbara.
233	xviii	3	<i>Californianus</i> <i>Conr.</i>	Sta. Barbara.
234	xvii	11	<i>Sphaenia Californica</i> <i>Conr.</i>	Sta. Barbara.
234	xvii	12	<i>Cumingia Californica</i> <i>Conr.</i>	Sta. Barbara.
235			<i>Cryptodon</i> <i>Conr.</i> (n. s. g.)	
235	xviii	1	<i>Lutraria Nuttalli</i> <i>Conr.</i>	Sta. Barbara.
235			<i>Platyodon</i> <i>Conr.</i> (n. s. g.)	
236	xviii	2	<i>Mya cancellata</i> <i>Conr.</i>	Sta. Barbara.
236	xviii	4	<i>Cypricardia Californica</i> <i>Conr.</i>	Sta. Barb'a, St. Diego.
236	xviii	5	<i>Pholas Californica</i> <i>Conr.</i>	Sta. Barb'a, St. Diego.
237	xviii	7	<i>penita</i> <i>Conr.</i>	Sta. Barb'a, St. Diego.
238	xviii	8	<i>Periploma argentaria</i> <i>Conr.</i>	St. Diego.
238	xviii	9	<i>Pecten lati-auratus</i> <i>Conr.</i>	St. Diego, Sta. Barb'a.
238	xviii	10	<i>monotimeris</i> <i>Conr.</i>	St. Diego, Sta. Barb'a.
239	xviii	11	<i>Amphidesma rubro-lineata</i> <i>Conr.</i>	St. Diego.
239	xix	2	<i>decisa</i> <i>Conr.</i>	St. Diego.
239	xx	4	<i>bellastriata</i> <i>Conr.</i>	Mobile point, Ala.
240	xviii	12	<i>Mactra Californica</i> <i>Conr.</i>	Sta. Barbara.
240			<i>planniata</i> <i>Conr.</i>	Sta. Barbara.
241	xviii	13	<i>Psammodia pacifica</i> <i>Conr.</i>	St. Diego.
241	xviii	14	<i>Mytilus bifurcatus</i> <i>Conr.</i>	Sandwich Islands.
242	xviii	15	<i>Californianus</i> <i>Conr.</i>	S. Diego, S. Bar., Mon-
242			<i>crebristriatus</i> <i>Conr.</i>	Sand'ch Isl. [terey.
242			<i>Modiola capax</i> <i>Conr.</i>	St. Diego.
243	xix	1	<i>recta</i> <i>Conr.</i>	Sta. Barbara.
243	xx	6	<i>Carolinensis</i> <i>Conr.</i>	Sullivan's Isl., Charleston,
244	xx	7	<i>Modiola semicostata</i> <i>Conr.</i>	Salem, Mass. [S. C.
244	xix	4	<i>Pinna Nuttalli</i> <i>Conr.</i>	Sandwich Islands.
245	xx	11	<i>semicostata</i> <i>Conr.</i>	Sandwich Islands.
245	xix	9	<i>incisa</i> <i>Conr.</i>	Sandwich Islands.
246	xix	13	<i>Californica</i> <i>Conr.</i>	Sandwich Islands.
246			<i>costellata</i> <i>Conr.</i>	Sandwich Islands.
246	xix	6	<i>Avicula pallida</i> <i>Conr.</i>	Sandwich Islands.
246			<i>nebulosa</i> <i>Conr.</i>	Sandwich Islands.
246			<i>Mytilimeria</i> <i>Conr.</i> (n. g.)	
247			<i>Nuttalli</i> <i>Conr.</i>	California.
247	xix	7	<i>Lima dehiscens</i> <i>Conr.</i>	Fayal.
248	xix	8	<i>Thracia curta</i> <i>Conr.</i>	• Sta. Barbara.
248	xix	10	<i>Lyonsia inflata</i> <i>Conr.</i>	Guayaquil.

Page.	Plate.	Fig.	Name.	Locality.
248	xix	21	<i>Lyonsia Californica</i> Conr.	Sta. Barbara.
249			<i>Saxidomus</i> Conr. (n. g.)	
249	xix	14	Nuttalli Conr.	St. Diego, California.
250	xix	16	<i>Venus Nuttalli</i> Conr.	St. Diego, Sta. Barb'a.
250	xix	15	staminea Conr.	St. Diego, Sta. Barb'a.
251	xix	14	Californiana Sowb.	St. Diego.
251	xix	19	lamellifera Conr.	California.
251			Mortoni Conr.	Charleston, S. C.
252			<i>Cytherea callosa</i> Conr.	Sta. Barbara.
253	xix	18	prora Conr.	New Holland.
253	xix	22	hieroglyphica Conr.	Sandwich Islands.
253			<i>Trigonella</i> Conr. (n. s. g., no descr.)	
253	xix	17	<i>Cytherea crassatelloides</i> Conr.	St. Diego, Sta. Barb'a.
254	xix	21	<i>Donax Californica</i> Conr.	Sta. Barbara.
254	xix	11	<i>Lucina bella</i> Conr.	St. Diego.
255	xx	1	Californica Conr.	St. Diego.
255	xx	2	Nuttalli Conr.	St. Diego.
255	xx	8	<i>Saxicava carditoides</i> Conr.	Sta. Barbara.
256	xx	9	Californica Conr.	Sta. Barb'a, St. Diego.
256			<i>Chama lostoma</i> Conr.	Atool.
256			exogyra Conr.	Sta. Barb'a, St. Diego.
257	xx	10	<i>Vulsella Nuttalli</i> Conr.	Friendly Islands.
257			<i>Tellina secta</i> Conr.	St. Diego.
258			alta Conr.	Sta. Barbara.
258			nasuta Conr.	St. Diego.
259			dispar Conr.	Sandwich Islands.
259			obliquilineata Conr.	Sandwich Islands.
259	xx	3	lutea Conr.	Mobile Point, Ala.
260			<i>Hinnita Nuttalli</i> Conr.	Fayal.
263	xx	26	<i>Scalaria turbinata</i> Conr.	Beaufort, N. C.
263			<i>Cerostoma</i> Conr. (n. s. g.)	
264	xx	22	Nuttalli Conr.	Sta. Barbara.
264	xx	17	<i>Monoceros engonata</i> Conr.	Sta. Barbara.
264			brevidens Conr.	Sta. Barbara.
235	xx	18	lapilloides Conr.	Sta. Barbara.
265	xx	19	<i>Purpura Nuttalli</i> Conr.	Fayal.
265	xx	21	Floridana Conr.	Florida and Alabama.
266	xx	25	harpa Conr.	Sta. Barbara.
266	xx	23	bulbiformis Conr.	Sandwich Islands.
267	xx	20	dumosa Conr.	
267			macrostoma Conr.	Sta. Barbara.
268	xx	24	foliacea Conr.	Atool.

**Lea, Agassiz.**—In the Proceedings of the American Philosophical Society of Philadelphia, occur the following:—

Vol.	Pa.	Name.	Vol.	Pa.	Name.
<b>Isaac Lea.</b>					
Nov. Dec.	1838	[For locality, see Trans. American Philosophical Society.—W. G. B.]			
i	66	<b>Melania Cincinnatiensis</b> <i>Lea.</i>	i	289	<b>Anodonta Footiana</b> <i>Lea.</i>
Mar. Apr.	1840		i	289	<b>Melania catenaria</b> <i>Lea.</i>
i	187	<b>Patella amana</b> Say= <b>Patelloida testudinalis</b> .	i	289	<b>Boykiniana</b> <i>Lea.</i>
Oct.	1840		i	289	<b>Carocolla Cumberlandiana</b> <i>Lea.</i>
i	285	<b>Unio Cincinnatiensis</b> <i>pilaris</i> <i>Lea.</i> [ <i>Lea.</i> ]	i	289	<b>Cyclostoma Cincinnatiensis</b> <i>Lea.</i>
i	285	<b>Geddingsianus</b> <i>Lea.</i>	Feb. 1841		
i	286	<b>tuberosus</b> <i>Lea.</i>	ii	11	<b>Melania Hildrethiana</b>
i	286	<b>cuneolus</b> <i>Lea.</i>	ii	11	<b>castanea</b> <i>Lea.</i> [ <i>Lea.</i> ]
i	286	<b>Lesueurianus</b> <i>Lea.</i>	ii	11	<b>lævigata</b> <i>Lea.</i>
i	286	<b>Stonensis</b> <i>Lea.</i>	ii	11	<b>Kirtlandiana</b> <i>Lea.</i>
i	286	<b>lens</b> <i>Lea.</i>	ii	11	<b>Taitiana</b> <i>Lea.</i>
i	286	<b>plenus</b> <i>Lea.</i>	ii	11	<b>dubia</b> <i>Lea.</i>
i	286	<b>tener</b> <i>Lea.</i>	ii	12	<b>ebenum</b> <i>Lea.</i>
i	286	<b>pusillus</b> <i>Lea.</i>	ii	12	<b>rufa</b> <i>Lea.</i>
f	286	<b>amœnus</b> <i>Lea.</i>	ii	12	<b>fusiformis</b> <i>Lea.</i>
i	286	<b>incrassatus</b> <i>Lea.</i>	ii	12	<b>claviformis</b> <i>Lea.</i>
i	286	<b>Boydianus</b> <i>Lea.</i>	ii	12	<b>gracilis</b> <i>Lea.</i>
i	287	<b>Sloatianus</b> <i>Lea.</i>	ii	12	<b>subsolida</b> <i>Lea.</i>
i	287	<b>paulus</b> <i>Lea.</i>	ii	12	<b>Ocoensis</b> <i>Lea.</i>
i	287	<b>strigosus</b> <i>Lea.</i>	ii	12	<b>subcylindracea</b> <i>Lea.</i>
i	287	<b>lineatus</b> <i>Lea.</i>	ii	12	<b>sordida</b> <i>Lea.</i>
i	287	<b>exiguus</b> <i>Lea.</i>	ii	12	<b>regularis</b> <i>Lea.</i>
i	287	<b>tortivus</b> <i>Lea.</i>	ii	12	<b>fuliginosa</b> <i>Lea.</i>
i	287	<b>subangulatus</b> <i>Lea.</i>	ii	12	<b>Nickliniana</b> <i>Lea.</i>
i	287	<b>striatus</b> <i>Lea.</i>	ii	12	<b>viridis</b> <i>Lea.</i>
i	287	<b>fatuus</b> <i>Lea.</i>	ii	12	<b>occidentalis</b> <i>Lea.</i>
i	287	<b>dactylus</b> <i>Lea.</i>	ii	12	<b>Niagaraensis</b> <i>Lea.</i>
i	287	<b>obtusus</b> <i>Lea.</i>	ii	12	<b>globula</b> <i>Lea.</i>
i	288	<b>Boykinianus</b> <i>Lea.</i>	ii	13	<b>altilis</b> <i>Lea.</i>
i	288	<b>Edgarianus</b> <i>Lea.</i>	ii	13	<b>strigosa</b> <i>Lea.</i>
i	288	<b>biangularis</b> <i>Lea.</i>	ii	13	<b>virgata</b> <i>Lea.</i>
i	288	<b>nitens</b> <i>Lea.</i>	ii	13	<b>tenebrosa</b> <i>Lea.</i>
i	288	<b>Holstonensis</b> <i>Lea.</i>	ii	13	<b>teres</b> <i>Lea.</i>
i	288	<b>dolabelloides</b> <i>Lea.</i>	ii	13	<b>obtusa</b> <i>Lea.</i>
i	288	<b>Tennesseeensis</b> <i>Lea.</i>	ii	13	<b>Lecontiana</b> <i>Lea.</i>
i	288	<b>atro-marginatus</b> <i>Lea.</i>	ii	13	<b>corrugata</b> <i>Lea.</i>
i	288	<b>Bournianus</b> <i>Lea.</i>	ii	13	<b>monozonalis</b> <i>Lea.</i>
i	288	<b>Margaritana Curreyiana</b> <i>Lea.</i>	ii	13	<b>terebralis</b> <i>Lea.</i>
i	289	<b>Anodonta Harpethiana</b> <i>argentea</i> <i>Lea.</i> [ <i>Lea.</i> ]	ii	13	<b>columella</b> <i>Lea.</i>
i	289	<b>ferruginea</b> <i>Lea.</i>	ii	13	<b>blanda</b> <i>Lea.</i>
i	289	<b>Cowperiana</b> <i>Lea.</i>	ii	14	<b>crebri-costata</b> <i>Lea.</i>
i	289	<b>Maryattiana</b> <i>Lea.</i>	ii	14	<b>Curreyana</b> <i>Lea.</i>
			ii	14	<b>Edgariana</b> <i>Lea.</i>
			ii	14	<b>decora</b> <i>Lea.</i>
			ii	14	<b>costulata</b> <i>Lea.</i>

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ii	14	<i>Melania nitida</i> Lea.	ii	33	<i>Lymnea rustica</i> Lea.
ii	14	<i>plicatula</i> Lea.	ii	33	<i>plica</i> Lea.
ii	14	<i>concinna</i> Lea.	ii	33	<i>coarctata</i> Lea.
ii	14	<i>Babylonica</i> Lea.	ii	33	<i>casta</i> Lea.
ii	14	<i>exarata</i> Lea.	ii	33	<i>parva</i> Lea.
ii	14	<i>Potosiensis</i> Lea.	ii	33	<i>curta</i> Lea.
ii	14	<i>acuto-carinata</i> Lea.	ii	33	<i>strigosa</i> Lea.
ii	14	<i>Warderiana</i> Lea.	ii	33	<i>Kirtlandiana</i> Lea.
ii	14	<i>sulcosa</i> Lea.	ii	34	<i>Paludina regularis</i> Lea.
ii	15	<i>striata</i> Lea.	ii	34	<i>obtusa</i> Lea.
ii	15	<i>pilula</i> Lea.	ii	34	<i>Troostiana</i> Lea.
ii	15	<i>circincta</i> Lea.	ii	34	<i>Anculosa Troostiana</i>
ii	15	<i>venusta</i> Lea.	ii	34	<i>gibbosa</i> Lea. [Lea.
ii	15	<i>Florentiana</i> Lea.	ii	34	<i>dentata</i> Lea.
ii	15	<i>Duttoniana</i> Lea.	ii	34	<i>variabilis</i> Lea.
ii	15	<i>Holstonia</i> Lea.	ii	34	<i>Ammicola orbiculata</i>
ii	15	<i>caliginosa</i> Lea.	ii	34	<i>parva</i> Lea. [Lea.
ii	15	<i>nodulosa</i> Lea.	ii	34	<i>Io tenebrosa</i> Lea.
Apr.	1841		ii	34	Notes on parturition, &c., of Uniones.
ii	30	<i>Unio Sapotalensis</i> Lea.	Oct.	1841	
ii	30	<i>Tecomatensis</i> Lea.	ii	81	<i>Valvata bicarinata</i> Lea.
ii	30	<i>Bigbyensis</i> Lea.	ii	82	<i>Unio Brumleyanus</i> Lea.
ii	31	<i>croceatus</i> Lea.	ii	82	<i>regularis</i> Lea.
ii	31	<i>callosus</i> Lea.	ii	82	<i>mcestus</i> Lea.
ii	31	<i>Duttonianus</i> Lea.	ii	82	<i>sparsus</i> Lea.
ii	31	<i>Georgianus</i> Lea.	ii	82	<i>argenteus</i> Lea.
ii	31	<i>Anodonta Montezuma</i>	ii	82	<i>Helix Mobiliana</i> Lea.
ii	31	<i>globosa</i> Lea. [Lea.	ii	82	<i>minutissima</i> Lea.
ii	31	<i>Helix Tennesseeensis</i>	ii	82	<i>Melania turgida</i> Lea.
		Lea.	ii	82	<i>glabra</i> Lea.
ii	31	<i>Carocolla Edgariana</i>	ii	82	<i>perfusca</i> Lea.
		Lea.	ii	82	<i>picta</i> Lea.
ii	31	<i>Succinea Wardiana</i>	ii	83	<i>imprensa</i> Lea.
		Lea.	ii	83	<i>robusta</i> Lea.
			ii	83	<i>Jayana</i> Lea.
ii	32	<i>Totteniana</i> Lea.	ii	83	<i>Anculosa rubiginosa</i>
ii	32	<i>Nuttalliana</i> Lea.	ii	83	<i>bella</i> Lea. [Lea.
ii	32	<i>aurea</i> Lea.	ii	83	<i>Griffithiana</i> Lea.
ii	32	<i>Oregonensis</i> Lea.	ii	83	<i>tuberculata</i> Lea.
ii	32	<i>inflata</i> Lea.	ii	83	<i>Valvata bicarinata</i> Lea.
ii	32	<i>Planorbis regularis</i> Lea.	ii	83	<i>Paludina angulata</i> Lea.
ii	32	<i>Buchanensis</i> Lea.	ii	83	<i>Coosaensis</i> Lea.
ii	32	<i>bellus</i> Lea.	ii	83	<i>cyclostomataformis</i>
ii	32	<i>Physa Hildrethiana</i>			Lea.
ii	32	<i>inflata</i> Lea. [Lea.	Jan.-		
ii	32	<i>Troostensis</i> Lea.	Apr.	1842	
ii	32	<i>Lymnea Philadelphica</i>	ii	150	<i>Melania altalis</i> Lea.
		Lea.	Aug.-		
ii	33	<i>Griffithiana</i> Lea.	Oct.	1842	
ii	33	<i>Nuttalliana</i> Lea.	ii	224	<i>Unio Foremanianus</i>
ii	33	<i>bulimoides</i> Lea.	ii	224	<i>Haleianus</i> Lea. [Lea.
ii	33	<i>exigua</i> Lea.	ii	225	<i>Dariensis</i> Lea.
ii	33	<i>planulata</i> Lea.			
ii	33	<i>fusiformis</i> Lea.			

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ii	225	<b>Anodonta Dunlapiana</b>	iv	163	<b>Unio unicolor</b> <i>Lea.</i>
		<i>Lea.</i>	iv	163	<b>flavescens</b> <i>Lea.</i>
Nov.	1842		iv	164	<b>pallescens</b> <i>Lea.</i>
Dec.			iv	164	<b>utriculus</b> <i>Lea.</i>
ii	234	Notes on turbinated and discoid shells, as <b>Turbo duplicatus.</b>	iv	164	<b>spatulatus</b> <i>Lea.</i>
			iv	164	<b>tumescens</b> <i>Lea.</i>
			iv	164	<b>caperatus</b> <i>Lea.</i>
Dec	1842		iv	164	<b>fulgidus</b> <i>Lea.</i>
ii	237	<b>Melania rufa</b> <i>Lea</i> = <b>rufescens.</b>	iv	164	<b>pulvinulus</b> <i>Lea.</i>
			iv	164	<b>hyalinus</b> <i>Lea.</i>
ii	237	<b>striata</b> <i>Lea</i> = <b>striatula.</b>	iv	164	<b>Estabrookianus</b> <i>Lea.</i>
ii	237	<b>laevis</b> <i>Lea</i> = <b>laevis.</b>	iv	164	<b>approximus</b> <i>Lea.</i>
ii	237	<b>corrugata</b> <i>Lea</i> = <b>rugosa.</b>	iv	164	<b>symmetricus</b> <i>Lea.</i>
			iv	164	<b>fuliginosus</b> <i>Lea.</i>
ii	237	<b>Unio compressus</b> <i>Lea</i> = <b>pressus.</b>	iv	165	<b>caliginosus</b> <i>Lea.</i>
			iv	165	<b>Binneyi</b> <i>Lea.</i>
ii	242	<b>Melania plicatula</b> <i>Lea</i> = <b>Deshaysiana.</b>	iv	165	<b>Gouldii</b> <i>Lea.</i>
ii	242	<b>plicata</b> <i>Lea</i> = <b>Menki-ana.</b>	iv	165	<b>Margaritana minor</b> <i>Lea.</i>
			iv	165	<b>Anodonta tetragona</b> <i>Lea.</i>
ii	242	<b>excavata</b> <i>Lea</i> = <b>arata.</b>	iv	165	<b>Melania Buddii</b> <i>Lea.</i>
ii	242	<b>Planorbis lens</b> <i>Lea</i> = <b>Brog-niarti.</b>	iv	165	<b>torta</b> <i>Lea.</i>
ii	242	<b>Melania Vanuxemiana</b>	iv	165	<b>pernodosa</b> <i>Lea.</i>
ii	242	<b>ovalis</b> <i>Lea.</i> [ <i>Lea.</i>	iv	165	<b>filum</b> <i>Lea.</i>
ii	242	<b>Haysiana</b> <i>Lea.</i>	iv	165	<b>nobilis</b> <i>Lea.</i>
ii	242	<b>excisa</b> <i>Lea.</i>	iv	165	<b>carino-costata</b> <i>Lea.</i>
ii	242	<b>Schizostoma n. g.</b> <i>Lea.</i>	iv	165	<b>abrupta</b> <i>Lea.</i>
ii	242	<b>Melania Ordiana</b> <i>Lea.</i>	iv	166	<b>pallescens</b> <i>Lea.</i>
ii	242	<b>brevis</b> <i>Lea.</i>	iv	166	<b>lugubris</b> <i>Lea.</i>
ii	242	<b>oliva</b> <i>Lea.</i>	iv	166	<b>spinalis</b> <i>Lea.</i>
ii	242	<b>Foremani</b> <i>Lea.</i>	iv	166	<b>spurca</b> <i>Lea.</i>
ii	242	<b>torquata</b> <i>Lea.</i>	iv	166	<b>harpa</b> <i>Lea.</i>
ii	243	<b>producta</b> <i>Lea.</i>	iv	166	<b>basalis</b> <i>Lea.</i>
ii	243	<b>curvata</b> <i>Lea.</i>	iv	166	<b>auriculæformis</b> <i>Lea.</i>
ii	243	<b>expansa</b> <i>Lea.</i>	iv	166	<b>pumila</b> <i>Lea.</i>
ii	243	<b>Anculosa incisa</b> <i>Lea.</i>	iv	166	<b>protea</b> <i>Lea.</i>
ii	243	<b>Foremani</b> <i>Lea.</i>	iv	166	<b>arctata</b> <i>Lea.</i>
ii	243	<b>solida</b> <i>Lea.</i>	iv	166	<b>solida</b> <i>Lea.</i>
ii	243	<b>flammata</b> <i>Lea.</i>	iv	166	<b>crebristriata</b> <i>Lea.</i>
ii	243	<b>Paludina incrassata</b> <i>Lea.</i>	iv	167	<b>modesta</b> <i>Lea.</i>
ii	243	<b>coarctata</b> <i>Lea.</i>	iv	167	<b>Haleiana</b> <i>Lea.</i>
May-	1846		iv	167	<b>Alexandrensis</b> <i>Lea.</i>
Aug.			iv	167	<b>ovoidea</b> <i>Lea.</i>
iv	163	<b>Unio compressissimus</b>	iv	167	<b>Anculosa squalida</b> <i>Lea.</i>
iv	163	<b>pellucidus</b> <i>Lea.</i> [ <i>Lea.</i>	iv	167	<b>tintinnabulum</b> <i>Lea.</i>
iv	163	<b>pernodosus</b> <i>Lea.</i>	iv	167	<b>Schizostoma pagoda</b>
iv	163	<b>atrocostatus</b> <i>Lea.</i>	iv	167	<b>Buddii</b> <i>Lea.</i> [ <i>Lea.</i>
iv	163	<b>latecostatus</b> <i>Lea.</i>	iv	167	<b>Babylonicum</b> <i>Lea.</i>
iv	163	<b>hippopæus</b> <i>Lea.</i>	iv	167	<b>constrictum</b> <i>Lea.</i>
iv	163	<b>simplex</b> <i>Lea.</i>	iv	167	<b>laciniatum</b> <i>Lea.</i>
			iv	167	<b>funiculatum</b> <i>Lea.</i>
			iv	167	<b>Paludina Haleiana</b> <i>Lea.</i>

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	v 191	Remarks on Weight of Naiades.
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Dec. 1832	v 257	List of Shells described in Transactions (no description).
	v 253	Fulcrum in Helix (vide Transactions).
Feb. 1832	v 219	<b>Agassiz.</b> —Letter to Isaac Lea, on the Naiades, by L. AGASSIZ.

**Anthony.**—On the Byssus of Unio: By JOHN G. ANTHONY, Esq. With Notes by J. E. GRAY, Esq. (From Annals and Magazine of Nat. Hist. London, Sept., 1840. Vol. vi, p. 77.)

**Wood, Thomson, La Hontan, &c.**—In the descriptions of New England, Virginia, and other parts of North America, published in the seventeenth and eighteenth centuries, occur many notices of the Shells of the country. Of no scientific value, they are still interesting to the Conchologist. As samples, I quote the following:—

**Anonymous.**—A perfect description of Virginia; being a full and true Relation of the present State of the Plantation, their Health, Peace, and Plenty; the number of people, with their abundance of Cattell, Fowl, Fish, &c. &c. &c. London: Printed for Richard Wodenoth, at the Star, under Peter's Church, in Cornhill. 1649.

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18 Fish are there in their kinde, above Thirty sorts:—

No. 28. Oysters.

No. 29. Cockles.

No. 30. Mussles.



**Thomson.**—*New England's Crisis*: by BENJAMIN THOMPSON, about 1676.  
(The Prologue commences thus:—)

The times wherein old Pompion was a saint,  
When men far'd hardly, yet without complaint,  
On vilest Cates, the dainty Indian maize  
Was eat with Clamp Shells, out of wooden Trays, &c.

**Wood.**—*New England's Prospect*; a true, lively, and experimental description of that part of America commonly called New England; discovering the State of that Country, both as it stands to our new-come English Planters, and to the Native Inhabitants. Laying down that which may both enrich the knowledge of the mind-travelling Reader, or benefit the future Voyager: by WILLIAM WOOD. London: Printed by John Dawson, and to be sold by John Bellamy, at his Shop, at the three Golden Lyons in Cornhill, neere the Royall Exchange. 1639.

[Chapter ix. treats of Fish, giving interesting accounts of the habits and collecting of Oysters, Clams, &c., on p. 29, 30, 31. On page 28 occurs the following:—W. G. B.]

#### KINDS OF SHELL-FISH.

The luscious Lobster, with the Crab-fish raw,  
The British Oyster, Musc, Periwigge,  
And tortoise sought by the Indian's Squaw,  
Which to the flats dance many a winter's Jigge,  
To dive for Cockles, and to digge for Clams,  
Whereby her lasie husband's guts she crammes.

[This valuable work was reprinted at "Boston, New England, by Thomas and John Fleet, in Cornhill; and Green and Russell, in Queen-Street, 1764," as a third edition. The above lines are on p. 33 of the reprint.—W. G. B.]

**La Hontan.**—*New Voyages to North America*, containing an account of the several Nations of that vast Continent, &c., written in French by the Baron LAHONTAN, &c. Done into English. Second edition. London, 1735, vol. i.

[This is an English translation of a work the second edition of which was published at "La Haye, 1706," the Shells being noticed in vol. ii. pp. 54 and 56.—W. G. B.]

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#### THE SHELL FISH.

Little Lobsters.  
Crab Fish.  
Cockles.  
Muscles.

**Shumard.**—Catalogue of the Naiades of Jefferson County, Kentucky: by B. F. SHUMARD, M. D. (From the Naturalist's Journal of Agriculture, Horticulture, Education and Literature, Franklin College, Tennessee. Vol. I. No. 3. March, 1856.)

[This title was given me by Mr. Tryon. I have not been able to find the work.—W. G. B.]

**Lea.**—Reprint of Papers read and remarks made before the Academy of Natural Sciences of Philadelphia, in 1857–8. Philadelphia, 1858. Also of those in 1859–60. Philadelphia, 1860.

[The species have already been quoted from the Proceedings of the Acad.—W. G. B.]

**Cooper.**—Report on the Mollusca of the Survey: by WILLIAM COOPER. In the 2d part of the 12th volume of the Pacific Railroad Reports.

[This is the same as afterwards appeared in Cooper and Suckley's Natural History of Washington Territory, &c., which has been quoted on p. 274. The paging as there given is of the Pacific Railroad Report. In the separate work the paging of Mr. Cooper's paper commences at page one; the text being the same.—W. G. B.]

**Green.**—Notes of a Naturalist: by JACOB GREEN, M. D. (From Doughty's Cabinet of Natural History. Vol. III. No. 2. Philadelphia, 1834.)

[Only four numbers of the third volume of this work were ever published, and these are rarely preserved in Libraries, even those containing the first and second volumes complete.—W. G. B.]

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35 *Helix pomum-Adami Green.*

**Kirtland.**—New locality of *Limnea megasoma Say*: by Dr. J. P. KIRTLAND. (From Annals of Science, &c., including the Transactions of the Cleveland Academy of Natural Sciences. Conducted by Hamilton A. Smith, A. M. Cleveland. Vol. II, No. 1. Jan. 1854.)

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6 *Limnea megasoma Say.* Alliance, Mahoning river.

**Mussey.**—The Proceedings of the National Institute at Washington contain several lists of Shells presented the Society. On p. 297, of 1848, is one—Ohio Valley Shells—presented by Dr. R. D. Mussey. There are no descriptions. The typographical errors are too numerous to repeat.

**Dewey.**—List of Naiades found in Western New York, and sent to the State collection at Albany, with some chiefly from Ohio: by Prof. C. Dewey. (From Ninth Annual Report on the Condition of the State Cabinet of Natural History. Albany, 1856.)

[No descriptions are given, but some remarks on variation, locality, &c. There are several lists of Shells in the State Cabinet published in some of the other annual Reports, such as the Twelfth, and the Catalogue of the Collection—but they are not accompanied by descriptions, and rarely by localities.—W. G. B.]

Page.		Page.	
32	<b>Unio alatus</b> Say. <i>Mya alata</i> Wood.		<i>U. coarctata</i> Lam. <i>rarisulcata</i> Lam.
33	<b>radiatus</b> Lam. <i>U. Virginiana</i> Lam. <i>Mya radiata</i> Wood.		<i>sulciden</i> Lam. <i>glabrata</i> Lam.
33	<b>Novi-Eboraci</b> Lea.	35	<b>Unio carlosus</b> Say.
33	<b>iris</b> Lea.	35	<b>rectus</b> Lam. <i>U. praelongus</i> Barnes.
33	<b>rubiginosus</b> Lea. <i>U. flavus</i> Conr.		<i>Mya praelonga</i> Wood.
33	<b>gracilis</b> Barnes. <i>U. planus</i> Barnes. <i>fragilis</i> Swains.	35	<b>rosaceus</b> De Kay.
33	<b>luteolus</b> Lam. <i>U. siliquoides</i> Barnes. <i>inflatus</i> Barnes.	36	[I omit the Ohio Shells.—W.G.B.]
34	<b>pressus</b> Lea. <i>U. compressus</i> De Kay.	36	<b>Margaritana rugosa</b> Lea. <i>Alasmodon rugosa</i> De Kay.
34	<b>complanatus</b> Lea. <i>U. purpureus</i> Say. <i>Mya complanata</i> Sol. <i>rigida</i> Wood.	36	<b>marginata</b> Lea. <i>Alasm. marginata</i> De Kay. <i>truncata</i> Say.
34	<b>purpurascens</b> Lam. <i>U. rhombula</i> Lam. <i>Georgina</i> Lam. <i>carinifera</i> Lam.	37	<b>undulata</b> Lea. <i>Alasm. undulata</i> De Kay.
		37	<b>Anodonta gigantea</b> Lea. <i>A. grandis</i> Raf.?
		37	<b>pavonia</b> Lea.
		37	<b>Footiana</b> Lea.
		37	<b>Lewisii</b> Lea. <i>A. fluvialilis</i> De Kay. <i>cataracta</i> Say.
		37	<b>fragilis</b> Lam.

<p>Page.</p> <p><b>Anodonta Ferrussaciana</b> <i>Lea.</i></p> <p>38 <b>subcylindrica</b> <i>Lea.</i></p> <p style="padding-left: 2em;"><b>edentula</b> <i>Lea.</i></p> <p style="padding-left: 4em;"><i>Unio areolatus</i> Sw.</p>	<p>Page.</p> <p><b>Anodonta undulata</b> <i>Say.</i></p> <p style="padding-left: 2em;"><i>Unio Pennsylvanica</i> Lam.</p> <p><b>cylindrica</b> <i>Lea?</i></p> <p><b>Benedictensis</b> <i>Lea.</i></p> <p><b>imbecillis</b> <i>Say.</i></p>
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**Parker.**—Description of a new species of *Helix*: by SAMUEL J. PARKER. In Proc. American Ass. Adv. Science. Vol. IV, p. 348. 1841. And

**Agassiz.**—Criticism on the same: by LOUIS AGASSIZ.

[I introduce these references on account of their being included in Mr. Tryon's Catalogue of American Conchological Writings. No specific name or description was given of the supposed new species.—W. G. B.]

**Billings.**—Notes on the Natural History of the Mountain of Montreal. (From the Canadian Naturalist and Geologist, vol. ii, No. 2. May, 1857, p. 92.) Terrestrial Mollusca, p. 97: by E. B. [E. BILLINGS.]

<p>Page</p> <p>98</p> <p>99</p> <p>100</p>	<p>Fig.</p> <p>2, 3</p> <p>4, 5</p> <p>6</p>	<p><b>Helix albolabris</b> <i>Say.</i></p> <p><b>alternata</b> <i>Say.</i></p> <p><b>monodon</b> <i>Rackett.</i></p>
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**Anonymous.**—Description of some of the Fresh-water Gastropoda inhabiting the Lakes and Rivers of Canada. (From the same as the last article, vol. ii, No. 3. July, 1857.)

<p>Page. Fig.</p> <p>196 1, 2</p> <p>197 (fig.)</p> <p>197 (fig.)</p> <p>198 (fig.)</p> <p>198 (fig.)</p> <p>199 (fig.)</p> <p>201 (fig.)</p> <p>202 (fig.)</p> <p>203 (fig.)</p> <p>204 (fig.)</p> <p>204 (fig.)</p> <p>205 (fig.)</p> <p>206 (fig.)</p>	<p><b>Limnæa stagnalis</b> Linn.</p> <p><b>columella</b> <i>Say.</i></p> <p style="padding-left: 2em;"><i>var. chalybea.</i></p> <p><b>macrostoma</b> <i>Say.</i></p> <p><b>desidiosa</b> <i>Say.</i></p> <p><b>elodes</b> <i>Say.</i></p> <p><b>catascopium</b> <i>Say.</i></p> <p><b>Planorbis trivolvis</b> S.</p> <p><b>lentus</b> <i>Say.</i></p> <p><b>bicarinatus</b> <i>Rackett.</i></p> <p><b>campanulatus</b> <i>Say.</i></p> <p><b>armigerus</b> <i>Say.</i></p> <p><b>hirsutus</b> <i>Gould.</i></p>	<p>Page.</p> <p>206 (fig.)</p> <p>207 (fig.)</p> <p>208 (fig.)</p> <p>209 (fig.)</p> <p>209 (fig.)</p> <p>211 (fig.)</p> <p>211 (fig.)</p> <p>212 (fig.)</p> <p>212 (fig.)</p> <p>213 (fig.)</p> <p>214 (fig.)</p> <p>214 (fig.)</p>	<p><b>Planorbis defectus</b> <i>Say.</i></p> <p><b>exacutus</b> <i>Say.</i></p> <p><b>parvus</b> <i>Say.</i></p> <p><b>dilatatus.</b></p> <p><b>Physa heterostropha</b></p> <p><b>ancillaria</b> <i>Say.</i> [<i>Say.</i></p> <p><b>elongata</b> <i>Say.</i></p> <p><b>Ancylus rivularis</b> <i>Say.</i></p> <p><b>fuscus</b> <i>Adams.</i></p> <p><b>Valvata tricoarinata</b> S.</p> <p><b>pupoldea</b> <i>Gould.</i></p> <p><b>Amnicola porata</b> <i>Say.</i></p>
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**Dawson.**—A Week in Gaspé, p. 321. Marine Invertebrates collected in Gaspé Bay, lat. 48°, 45' N. Aug. 1858, p. 320: by J. W. D. [Dr. Dawson.] (From same as last, vol. iii, No. 5. Oct. 1858.)

Page.		Page.	
329	<i>Loligo illecebrosa.</i>	330	<i>Saxicava rugosa.</i>
329	<i>Fusus pyramidatus (rufus).</i>	330	<i>Machæra costata.</i>
329	<i>Buccinum undatum.</i>	330	<i>Solen ensis.</i>
329	<i>trivittatum.</i>	330	<i>Tellina calcarea.</i>
329	<i>Purpura lapillus.</i>		<i>T. proxima.</i>
330	<i>Natica heros.</i>	330	<i>Grœnlandica.</i>
330	<i>Grœnlandica.</i>	330	<i>tenera.</i>
330	<i>clausa.</i>	330	<i>Aphrodite Grœnlandica.</i>
330	<i>Turritella erosa.</i>	330	<i>Cardium Islandicum.</i>
330	<i>Laocœna vineta.</i>	330	<i>pinnulatum.</i>
330	<i>Littorina palliata.</i>	330	<i>Astarte sulcata.</i>
330	<i>rudis.</i>	330	<i>Cardita borealis.</i>
330	<i>Margarita undulata.</i>	330	<i>Mytilus edulis.</i>
330	<i>helicina.</i>	330	<i>Modiola modiolus.</i>
	<i>M. arctica.</i>	330	<i>decussata.</i>
330	<i>Lottia testudinalis.</i>		<i>M. glandula.</i>
330	<i>Acmaea cœca.</i>	330	<i>Leda limatula.</i>
330	<i>Chiton marmoreus.</i>	330	<i>Pecten Islandicus.</i>
330	<i>Mya arenaria.</i>	330	<i>Magellanicus.</i>
330	<i>truncata.</i>	330	<i>Anomia ephippium.</i>
330	<i>Glycimeris alliqua.</i>	330	<i>var. aculeata.</i>

**Dawson.**—On the Newer Pliocene and Post-Pliocene Deposits of the Vicinity of Montreal, with notices of Fossils recently discovered in them: by J. W. Dawson, L. L. D., &c. (From the same as last, Canadian Naturalist, vol. ii, No. 6. Dec. 1857.) And Additional Notes on the Post-Pliocene Deposits of the St. Lawrence Valley, vol. iv, No. 1. Feb. 1859.

[There are several lists of fossil Shells specified in these papers as also found recent.—W. G. B.]

**Carpenter.**—Note on the Mollusks and Radiates from Labrador: by P. P. CARPENTER. (From the same as last, vol. iv, part 2. April, 1859.)

Page.		Page.	
158	<i>Buccinum undatum.</i>	158	<i>Lottia (Tectura) testudina.</i>
158	<i>Trophon (Fusus) scalariforme.</i>	158	<i>Saxicava rugosa. [nalis.</i>
158	<i>Rostellaria occidentalis.</i>	158	<i>Mya arenaria.</i>
158	<i>Littorina rudis.</i>	158	<i>Solen ensis.</i>
158	<i>Littorea.</i>	158	<i>Tellina Groenlandica.</i>
	<i>L. palliata.</i>	158	<i>Mytilus edulis.</i>
158	<i>Margarita helecina.</i>	158	<i>Pecten Magellanicus.</i>
	<i>M. arctica.</i>		

**Bell.**—Notes on the Natural History of the Gulf of St. Lawrence, and the distribution of the Mollusca of Eastern Canada: by ROBERT BELL, Jr. (From the same as last, vol. iv, part 3, p. 197. June, 1859.)

[The localities, but no descriptions are given.—W. G. B.]

Page.		Page.	
210	<i>Fusus scalariformis.</i>	211	<i>Rostellaria occidentalis.</i>
210	<i>Islandicus.</i>	211	<i>Rissoa minuta.</i>
210	<i>tornatus.</i>	211	<i>Lacuna vinota.</i>
210	<i>decemcostatus.</i>	211	<i>Littorina palliata.</i>
210	<i>rufus.</i>	211	<i>rudis.</i>
210	<i>Bamffius.</i>	211	<i>tenebrosa.</i>
210	<i>Pleurotoma bicarinata.</i>	211	<i>Margarita cinerea.</i>
210	<i>Buccinum undatum.</i>	211	<i>undulata.</i>
211	<i>Donovan.</i>	211	<i>helecina.</i>
211	<i>Nassa trivittata.</i>	212	<i>Skenea costulata.</i>
211	<i>obsoleta.</i>	212	<i>Diadora noachina.</i>
211	<i>Purpura lapillus.</i>	212	<i>Crepidula fornicata.</i>
211	<i>Triohotropis borealis.</i>	212	<i>plana.</i>
211	<i>Velutina haliotoides.</i>	212	<i>Acmaea (Lottia) testudina.</i>
	<i>V. laevigata.</i>	212	<i>cæca. [lis.</i>
211	<i>Lamellaria perspicua.</i>	212	<i>Chiton marmoreus.</i>
211	<i>Natica heros.</i>	212	<i>Planorbis trivolvis.</i>
211	<i>clausa.</i>	212	<i>campanulatus.</i>
211	<i>triseriata.</i>	212	<i>bicarinatus.</i>
211	<i>flava?</i>	212	<i>lentus.</i>
211	<i>helicoïdes.</i>	212	<i>parvus.</i>

Page.		Page.	
212	<b>Physa heterostropha.</b>	216	<b>Osteodesma hyalina.</b>
213	<i>aurea.</i>	216	<b>Machæra costata.</b>
213	<i>ancillaria.</i>	216	<b>Solen ensis.</b>
213	<i>elongata.</i>	216	<b>Tellina proxima.</b>
213	<b>Limnæa megasoma.</b>		<i>T. calcarea.</i>
213	<i>jugularis.</i>	216	<b>Grœnlandica.</b>
	<i>L. stagnalis.</i>	216	<b>Mactra ovalis.</b>
213	<i>caperata.</i>		<i>M. ponderosa.</i>
213	<i>umbrosa.</i>	216	<b>Mesodesma arctatum.</b>
213	<i>elodes.</i>	217	<b>Venus mercenaria.</b>
213	<i>catascopium.</i>	217	<i>gemma.</i>
213	<i>opacina.</i>	217	<b>Aphrodite Grœnlandica.</b>
213	<i>acuta.</i>	217	<b>Cardium Islandicum.</b>
213	<b>Ancylus rivularis.</b>	217	<b>Cardita borealis.</b>
213	<b>Paludina decisa.</b>	217	<b>Astarte sulcata.</b>
213	<b>Melania acuta</b>	217	<b>Lucina flexuosa.</b>
213	<i>Niagarensis.</i>	217	<b>Lima subauriculata.</b>
213	<b>Amnicola porata.</b>	217	<b>Mytilus edulis.</b>
213	<b>Valvata tricarinata.</b>	218	<b>Modiola discors.</b>
213	<i>sincera.</i>		<i>M. discrepans.</i>
214	<b>Helix alternata.</b>	218	<i>plicatula.</i>
214	<i>albolabris.</i>	218	<i>glandula.</i>
214	<i>monodon.</i>	218	<i>pectinula.</i>
214	<i>exoleta.</i>	218	<i>nexa.</i>
214	<i>tridentata.</i>	218	<b>Leda limatula.</b>
214	<i>concava.</i>	218	<b>Nucula tenuis.</b>
214	<i>hortensis.</i>	218	<b>Pecten Magellanicus.</b>
215	<i>arborea.</i>	218	<i>Islandicus.</i>
215	<i>striatella.</i>	219	<b>Anomia ephippium.</b>
215	<i>lineata.</i>	219	<b>Terebratula psittacea.</b>
215	<i>labyrinthica.</i>		<i>Hippothyris.</i>
215	<i>pulchella.</i>	219	<b>Ascidium ———.</b>
215	<i>electrina.</i>	219	<b>Unio radiatus.</b>
215	<i>chersina.</i>	219	<i>complanatus.</i>
215	<b>Bulimus lubricus.</b>	219	<i>gibbosus.</i>
215	<i>harpa.</i>	219	<i>ventricosus.</i>
215	<b>Vitrina pellucida.</b>	219	<i>ellipsis.</i>
215	<b>Succinea ovalis.</b>	219	<i>rectus.</i>
215	<i>avara.</i>	219	<i>alatus.</i>
215	<i>obliqua.</i>	220	<b>Margaritana rugosa.</b>
216	<b>Pholas crispata.</b>	220	<i>marginata.</i>
216	<b>Saxicava rugosa.</b>	220	<i>arcuata.</i>
216	<b>Mya arenaria.</b>		<i>M. margaritifera.</i>
216	<i>truncata.</i>	220	<i>undulata.</i>
216	<b>Glycymeris siliqua.</b>	220	<b>Anodonta subcylindracea.</b>

<p>Page. 220 <i>Anodonta pavonia.</i> 220 <i>fluviatilis?</i></p>	<p>Page. 220 <i>Cyclas similis.</i> 220 <i>orbiculata.</i> 220 <i>dubia.</i></p>
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**Lea.**—Observations on the genus *Unio*, &c.: by ISAAC LEA, LL. D., President of the Academy of Natural Sciences of Philadelphia, &c.

[Under this title are collected in seven volumes all the descriptions of Mollusca by this author. The original papers were published in the Transactions of the American Philosophical Society, and the Journal of the Academy of Natural Sciences of Philadelphia (new series.) Short diagnoses were also published in the Proceedings of the same Societies. In the following list the numerous foreign species are omitted. As great confusion has arisen regarding the synonymy of the American *Naiades*, owing principally to questions of priority of publication, I have given the dates of the various papers of Mr. Lea as carefully as possible. In the earlier volumes of the Philosophical Society many of Mr. Lea's papers were published anterior to the completion of the whole volume, but, as no separate dates are given, I am unable to do justice to Mr. Lea. I know of no other rule than to take the date of the title page of the complete volume, unless some other date is given to the separate parts, or with the signatures of the printers.

Any one desiring further information regarding the actual printing of the various papers is referred to Mr. Lea's "Rectification," in the Proceedings of the Philadelphia Academy.

Reference is given to the Transactions of the Philosophical Society and Journal of the Academy, as well as to the volumes of the "Observations," the numbering of the plates being the same in each.—W. G. B.]

TRANS. Vol. iii, 1830.			OBS.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
259			i	1	<b>Lea.</b> —Descriptions of six new species of the genus <i>Unio</i> , embracing the anatomy of the oviduct of one of them, together with some Anatomical Observations on the Genus. (From Trans. Am. Phil. Soc. (n. s.), vol. iii, p. 259. Date of title, 1830.)	
265	iii	1	i	7	<b><i>Unio calceolus</i> Lea.</b>	Ohio.
266	iii	2	i	8	<b><i>lanoeclatus</i> Lea.</b>	Tar river, N. C.
267	iv	3	i	9	<b><i>donaciformis</i> Lea.</b>	Ohio.
268	iv	4	i	10	<b><i>ellipsis</i> Lea.</b>	Ohio.
269	v	5	i	11	<b><i>irroratus</i> Lea.</b>	Ohio.
272	vi	8	i	14	<b><i>lachrymosus</i> Lea.</b>	Ohio.



TRANS.			Obs.		
Vol. III, 1830.					
Pa.	Pl.	Fig.	V. Pa.	Name.	Locality.
403			i 17	<b>Lea.</b> —Description of a new genus of the family of Naiades, including eight species, four of which are new; also the description of eleven new species of the Genus Unio from the rivers of the United States; with observations on some of the characters of the Naiades, &c. &c.	
					On p. 415 is the following Synonymy of the species.
415			i 29	<b>Unio radiatus</b> . <sup>1</sup>	
				<i>U. Virginiana</i> Lam.	
416			i 30	<b>complanatus</b> Solander.	
				<i>U. purpureus</i> Say.	
				<i>U. rarisulcata</i> Lam.	
				<i>U. coarctata</i> Lam.	
				<i>U. purpurascens</i> Lam.	
				<i>U. rhombula</i> Lam.	
				<i>U. carinifera</i> Lam.	
				<i>U. georgina</i> Lam.	
				<i>U. sulcidens</i> Lam.	
				<i>U. Caroliniana</i> Bosc.	
				<i>U. fluviatilis</i> Green.	
417			i 31	<b>ovatus</b> Say.	
417			i 31	<b>cariosus</b> Say.	
				<i>U. luteola</i> Lam.	
				<i>U. crassus</i> Say.	
				<i>U. carinatus</i> Barnes.	
				<i>U. ellipticus</i> Barnes.	
417			i 31	<b>nasutus</b> Say.	
				<i>U. rostrata</i> Val.	
417			i 31	<b>cylindricus</b> Say.	
				<i>U. naviformis</i> Lam.	
417			i 31	<b>subtentus</b> Say.	
417			i 31	<b>plicatus</b> Lesueur.	
				<i>U. crassidens</i> Lam. ?	
				<i>U. Peruvianus</i> Lam.	
				<i>U. rariplicata</i> Lam.	
				<i>U. undulatus</i> Barnes.	
				<i>U. crassus</i> Barnes.	
				<i>U. Dombeyana</i> Val.	
418			i 32	<b>rectus</b> Lam.	
				<i>U. praelongus</i> Barnes.	

<sup>1</sup> In these and the following pages will be found a great deal of information regarding Synonymy, which I have not been able to include in my extract.—W. G. B.

TRANS. Vol. III, 1830.		Obs.		Name.
Pa.	Pl. Fig.	V.	Pa.	
				<i>U. nasuta</i> Lam.
				<i>U. purpurata</i> Lam.
418		i	32	<b>Unio torvus</b> Raf.
418		i	32	<i>mytiloides</i> Raf.
				<i>U. undatus</i> Barnes.
418		i	32	<i>metanever</i> Raf.
				<i>U. nodosus</i> Barnes.
				<i>U. rugosus</i> Barnes.
418		i	32	<b>scalentus</b> Raf.
418		i	32	<b>cornutus</b> Barnes.
419		i	33	<b>verrucosus</b> Barnes.
				<i>U. tuberculosa</i> Val.
				<i>U. verrucosa</i> Val.
419		i	33	<b>tuberculatus</b> Barnes.
419		i	33	<b>gibbosus</b> Barnes.
				<i>U. mucronatus</i> Barnes.
419		i	33	<b>cuneatus</b> Barnes.
419		i	33	<b>ventricosus</b> Barnes.
419		i	33	<b>alliquoides</b> Barnes.
				<i>U. inflatus</i> Barnes.
419		i	33	<b>triangularis</b> Barnes.
420		i	34	<b>parvus</b> Barnes.
420		i	34	<b>æsoopus</b> Green
420		i	34	<b>calceolus</b> Lea.
420		i	34	<b>lanceolatus</b> Lea.
420		i	34	<b>donaciformis</b> Lea.
420		i	34	<b>ellipsis</b> Lea.
420		i	34	<b>irroratus</b> Lea.
420		i	34	<b>lachrymosus</b> Lea.
420		i	34	<b>ater</b> Lea.
420		i	34	<b>rubiginosus</b> Lea.
420		i	34	<b>heterodon</b> Lea.
420		i	34	<b>sulcatus</b> Lea.
420		i	34	<b>planulatus</b> Lea.
420		i	34	<b>circulus</b> Lea.
420		i	34	<b>multiradiatus</b> Lea.
420		i	34	<b>occidens</b> Lea.
420		i	34	<b>securis</b> Lea.
421		i	35	<b>iris</b> Lea.
421		i	35	<b>zig-zag</b> Lea.
421		i	35	<b>patulus</b> Lea.

From p. 421 to 426 is a review of Lamarck's species of Naiades.

TRANS. Vol. III, 1830.			OBS.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
426	vii	9	i	40	<b>Unio ater</b> <i>Lea.</i>	Miss. r. bel. Natchez.
427	viii	10	i	41	<b>rubiginosus</b> <i>Lea.</i>	Ohio.
428	viii	11	i	42	<b>heterodon</b> <i>Lea.</i>	Sch. & Derby cr. Pa.
430	viii	12	i	44	<b>sulcatus</b> <i>Lea.</i>	Ohio.
431	ix	13	i	45	<b>planulatus</b> <i>Lea.</i>	Ohio.
433	ix	14	i	47	<b>circulus</b> <i>Lea.</i>	Cincinnati, Pittsb'g, [Natchez.
					<i>U. rotundata</i> Lam. ?	
434	ix	15	i	48	<b>multiradiatus</b> <i>Lea.</i>	Ohio.
435	x	16	i	49	<b>occidens</b> <i>Lea.</i>	Ohio.
437	xi	17	i	51	<b>securis</b> <i>Lea.</i>	Ohio.
					<i>U. depressa</i> Raf. preoc.	
439	xi	18	i	53	<b>iris</b> <i>Lea.</i>	Ohio.
440	xii	19	i	54	<b>zig zag</b> <i>Lea.</i>	Ohio.
441	xii	20	i	55	<b>patulus</b> <i>Lea.</i>	Ohio.
442			i	56	<b>Symphynota</b> <i>Lea.</i> (n. g.)	
444	xiii	23	i	58	<b>lævissima</b> <i>Lea.</i>	Ohio.
448			i	62	<b>alata</b> <i>Say.</i>	Western waters.
					<i>Unio alatus</i> <i>Say.</i>	
448			i	62	<b>complanata</b> <i>Barnes.</i>	Fox riv. Wisc., O.
					<i>Alasm. complanata</i> <i>Barn.</i>	
450	xii	22	i	64	<b>compressa</b> <i>Lea.</i>	O., Albany.
452			i	66	<b>gracilis.</b>	Ohio, Wisconsin.
					<i>U. gracilis</i> <i>Barnes.</i>	
					<i>U. fragilis</i> <i>Swains.</i>	
					<i>U. planus</i> <i>Barnes.</i>	
453	xi	21	i	67	<b>tenuissima</b> <i>Lea.</i>	Ohio.
455			i	69	<b>ochracea.</b>	Sch. and Del. rivers.
					<i>U. ochraceus</i> <i>Say.</i>	
Vol. IV, 1834.					Name.	Locality.
63			i	73	<b>Lea.</b> —Observations on the Naiades, and descriptions of new species of that and other families. Date of title of vol. iv, 1834.	
69	iii	1	i	79	<b>Unio trapezoides</b> <i>Lea.</i>	Lake St. Joseph, La.
70	iv	2	i	80	<b>multiplicatus</b> <i>Lea.</i>	Tenn. and Ohio rivs.
71	v	3	i	81	<b>asperrimus</b> <i>Lea.</i>	Ohio.
72	vi	4	i	82	<b>Congareus</b> <i>Lea.</i>	Congaree river, S. C.
73	vi	5	i	83	<b>oriens</b> <i>Lea.</i>	Ohio river.
75	vi	6	i	85	<b>brevidens</b> <i>Lea.</i>	Ohio.
76	vii	7	i	86	<b>pustulosus</b> <i>Lea.</i>	Ohio and Alabama r.
77	vii	8	i	87	<b>stapes</b> <i>Lea.</i>	Alabama river.
79	vii	9	i	89	<b>pustulatus</b> <i>Lea.</i>	Ohio, Tennessee.
80	viii	10	i	90	<b>lens</b> <i>Lea.</i>	Ohio, Tennessee.
81	viii	11	i	91	<b>anodontoides</b> <i>Lea.</i>	Ala., O., Miss. rivs.

TRANS. Vol. iv, 1834.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
82	viii	12	i	92	<b>Unio glans</b> <i>Lea.</i>	Ohio river.
83	ix	13	i	93	<b>elegans</b> <i>Lea.</i>	Ohio river.
84	ix	14	i	94	<b>ebenus</b> <i>Lea.</i>	Ohio river.
85	ix	15	i	95	<b>asper</b> <i>Lea.</i>	Alabama river.
86	x	16	i	96	<b>fabalis</b> <i>Lea.</i>	Ohio river.
87	x	17	i	97	<b>soleniformis</b> <i>Lea.</i>	Ohio river.
89	x	18	i	99	<b>acutissimus</b> <i>Lea.</i>	Alabama river.
90	xi	20	i	100	<b>varicosus</b> <i>Lea.</i>	Ohio river.
91	xi	21	i	101	<b>castaneus</b> <i>Lea.</i>	Alabama river.
92	xii	23	i	102	<b>decisus</b> <i>Lea.</i>	Alabama river.
94	xii	24	i	104	<b>cuprinus</b> <i>Lea.</i>	Mexico.
96	xiii	26	i	106	<b>obesus</b> <i>Lea.</i>	York river, Va.
99	xiv	28	i	109	<b>Symphynota inflata</b> <i>Lea.</i>	Alabama river.
100	xv	30	i	110	<b>Melania subularis</b> <i>Lea.</i>	Niagara river.
101	xv	31	i	111	<b>tuberculata</b> <i>Lea.</i>	Tennessee river.
101	xv	32	i	111	<b>acuta</b> <i>Lea.</i>	Tennessee river.
102	xv	33	i	112	<b>Helix Carolinensis</b> <i>Lea.</i>	Cheraw, S. C.
103	xv	34	i	113	<b>Carocolla helicoides</b> <i>Lea.</i>	Nashville, Tenn.
					<i>H. palliata</i> (var. a.) <i>Say?</i>	
104	xv	35	i	114	<b>spinosa</b> <i>Lea.</i>	Claiborne, Ala.
104	xv	36	i	114	<b>Valvata arenifera</b> <i>Lea.</i>	Nashville, Tenn.
109	xvi	39	i	119	<b>Unio pyramidatus</b> <i>Lea.</i>	Ohio.
					<i>U. undatus</i> Barn. (var. a.)?	
110	xvi	40	i	120	<b>trigonus</b> <i>Lea.</i>	Ohio river.
111	xvi	41	i	121	<b>formosus</b> <i>Lea.</i>	Ohio river.
112	xvii	42	i	122	<b>perplexus</b> <i>Lea.</i>	Ohio river.
114	xvii	43	i	124	<b>angustatus</b> <i>Lea.</i>	Congaree and Cooper
116	xvii	44	i	126	<b>arcæformis</b> <i>Lea.</i>	Tenn. r. [rivs., S. C.]
117	xviii	45	i	127	<b>subrotundus</b> <i>Lea.</i>	Ohio.
118	xviii	46	i	128	<b>subovatus</b> <i>Lea.</i>	Ohio river.
119	xviii	47	i	129	<b>pileus</b> <i>Lea.</i>	Ohio river.
120	xv	29	i	130	<b>Melania elongata</b> <i>Lea.</i>	Western Tenn.
122			i	132	<b>Lea.</b> —Description of a new genus of the family Melaniana of Lamarck.	
122			i	132	<b>Io</b> <i>Lea</i> (n. g.)	
122	xv	37	i	132	<b>fusiformis</b> <i>Lea.</i>	Holston river.
					<i>Fusus fluviatilis</i> <i>Say.</i>	
Vol. v, 1837.						
23			i		<b>Lea.</b> —Observations, &c. continued. Date of title of vol. v., 1837.	
27			i	139	<b>Valvata arenifera</b> = <b>Phrygania.</b>	
29	ii	2	i	141	<b>Unio capillaris</b> <i>Lea.</i>	Ohio.

TRANS. Vol. v. 1837.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
30	ii	3	i	142	<b>Unio subglobosus</b> <i>Lea.</i>	Bayou Teche, La.
31	ii	4	i	143	<b>capsæformis</b> <i>Lea.</i>	Cumberland river.
32	iii	5	i	144	<b>Ravenellianus</b> <i>Lea.</i>	French Br. r., N. C.
35	iii	7	i	147	<b>Haysianus</b> <i>Lea.</i>	Cumberland river.
36	iii	8	i	148	<b>Hildrethianus</b> <i>Lea.</i>	Marietta, O.
37	iii	9	i	149	<b>Schoolcraftensis</b> <i>Lea.</i>	Fox riv., Green Bay.
38	iv	10	i	150	<b>geometricus</b> <i>Lea.</i>	Bayou Teche, La.
39	iv	11	i	151	<b>Taitianus</b> <i>Lea.</i>	Alabama river.
41	iv	12	i	153	<b>Symphynota globosa</b> <i>Lea.</i>	Ohio river.
45	vi	15	i	157	<b>Anodonta Ferussaciana</b>	Ohio river.
46	vi	16	i	158	<b>incerta</b> <i>Lea.</i> [ <i>Lea.</i>	Ohio river.
47	vi	17	i	159	<b>Stewartiana</b> <i>Lea.</i>	River Teche, La.
48	vii	18	i	160	<b>plana</b> <i>Lea.</i>	Bear Grass cr., Louis-
58	xix	71	i	170	<b>Paludina bimonilifera</b> <i>Lea.</i>	Alabama r. [ville.
61	viii	21	i	173	<b>Unio Cooperianus</b> <i>Lea.</i>	Alabama river.
63	ix	23	i	175	<b>Conradicus</b> <i>Lea.</i>	
68	x	28	i	180	<b>Sowerbyanus</b> <i>Lea.</i>	Tennessee. [Tenn.
70	x	29	i	182	<b>dromas</b> <i>Lea.</i>	Harp. and Cum. riv.,
71	x	30	i	183	<b>Troostensis</b> <i>Lea.</i>	Cumberland river.
72	xi	31	i	184	<b>perdix</b> <i>Lea.</i>	Harpeth river, Tenn.
73	xi	32	i	185	<b>pictus</b> <i>Lea.</i> [ <i>Lea.</i>	Harpeth river, Tenn.
84	xix	78	i	196	<b>Achatina Vanuxemensis</b>	Mexico.
85			i	197	<b>striata.</b> <i>Cochlicopea rosea</i> Fer. <i>Polyphemus glans</i> Say.	
86			i	198	<b>Lea.</b> —Observations on Lamark's Collection of Naiades. [Both foreign and American species.—W. G. B.]	
86			i	198	<b>Unio crassissima</b> <i>Klein.</i> <i>U. sinuata.</i>	
87			i	199	<i>U. elongata</i> = <b><i>Mya margaritifera.</i></b>	
87			i	199	<b>crassidens.</b> <i>U. cuneatus.</i>	
87			i	199	<i>U. crassidens</i> (var. a.) = <b><i>trapezoides</i> <i>Lea.</i></b>	
87			i	199	<i>U. Peruviana</i> = <b><i>plicatus</i> <i>Les.</i></b>	
87			i	199	<b>purpurata</b> <i>Lam.</i> <i>U. ater</i> <i>Lea.</i>	
88			i	200	<i>U. ligamentina</i> = <b><i>crassus</i> <i>Say.</i></b>	
88			i	200	<i>U. obliqu</i> = <b><i>undatus</i> <i>Barnes.</i></b>	
88			i	200	<i>U. retusa</i> = <b><i>torsus</i> <i>Raf.</i></b>	
88			i	200	<i>U. rarisulcata</i> = <b><i>complanatus.</i></b>	
88			i	200	<i>U. coarctata</i> = <b><i>complanatus.</i></b>	

TRANS.			Obs.		Name.
Vol. v, 1837.					
Pa.	Pl.	Fig.	V.	Pa.	
88			i	200	<i>U. purpurascens</i> = <b>complanatus.</b>
88			i	200	<b>Unio radiata.</b>
88			i	200	<i>U. brevis</i> = <b>littoralis.</b>
88			i	200	<i>U. rhombula</i> = <b>complanatus.</b>
89			i	201	<i>U. carinifera</i> <b>complanatus.</b>
89			i	201	<i>U. Georgina</i> = <b>complanatus.</b>
89			i	201	<i>U. clava</i> = <b>scalenia Raf. (modioliformis Say.)</b>
89			i	201	<b>recta =</b> <i>U. praelongus</i> Barnes.
89			i	201	<i>U. naviformis</i> = <b>cylindricus.</b>
89			i	201	<i>U. nasuta</i> ... <b>gibbosus.</b>
89			i	201	<i>U. ovata</i> = <b>ovatus Say.</b>
89			i	201	<i>U. rotundatus</i> <b>suborbiculata.</b>
89			i	201	<i>U. subglobosus</i> Lea = <b>globulus Say.</b>
89			i	201	<b>littoralis = U. semirugata Lam.</b>
90			i	202	<i>U. incurvus</i> Lea
90			i	202	<i>U. semirugata</i> <b>littoralis.</b>
90			i	202	<i>U. nana</i> = <b>littoralis.</b>
90			i	202	<i>U. delodonta</i> = <b>lacteolus?</b>
90			i	202	<i>U. sulcidens</i> <b>complanatus.</b>
90			i	202	<i>U. rostrata</i> = <b>pictorum.</b>
90			i	202	<b>Batava.</b>
91			i	203	<i>U. nodulosa</i> = <b>ovata.</b>
91			i	203	<i>U. varicosa</i> = <b>Alasmodonta marginata.</b>
91			i	203	<b>granosa.</b>
91			i	203	<b>depressa.</b>
91			i	203	<i>U. Virginiana</i> = <b>radiatus.</b>
91			i	203	<b>luteola.</b> <i>U. siliquoideus</i> Barnes.
91			i	203	<b>angusta.</b>
91			i	203	<i>U. manca</i> = <b>pictorum.</b>
92			i	204	<i>U. curiosa</i> = <b>Alasmodonta marginata.</b>
92			i	204	<b>spuria.</b>
92			i	204	<b>australis.</b>
92			i	204	<i>U. anodontina</i> = <b>marginalis.</b>
92			i	204	<i>U. suborbiculata</i> = <b>rotundata.</b>
92			i	204	<b>Hyria avicularis = Mya syrmatophora.</b>
92			i	204	<b>corrugata.</b>
92			i	204	<b>Anodonta cygnea.</b> <i>Mytilus cygneus.</i>
93			i	204	<b>An. anatina.</b>
93			i	205	<i>An. sulcata</i> = <b>An. cygnea.</b>
93			i	205	<b>An. fragilis.</b>

TRANS. Vol. v, 1837.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
93			i	205	<i>An. rubens.</i>	
93			i	205	<i>An. crispata.</i>	
93			i	205	<i>An. uniopsis.</i>	
93			i	206	<i>An. Pennsylvanica = undulata Say (rugosus Sw.)</i>	
93			i	206	<i>An. intermedia = anatina.</i>	
93			i	205	<i>An. intermedia Pfr. = cygnea.</i>	
93			i	205	<i>An. trapezialis = giganteus.</i>	
93			i	206	<i>An. exotica.</i>	
94			i	206	<i>An. glauca.</i>	
94			i	206	<i>An. sinuosa.</i>	
94			i	206	<i>An. Patagonica.</i>	
94			i	206	<i>Iridina nilotica.</i>	
					<i>I. Clappertoni</i> Denman.	
95	xiii	38	i	207	<i>Unio Shepardianus</i> Lea.	Darien, Ga.
96	xiii	39	i	208	<i>fulvus</i> Lea.	S. C.
97	xiii	40	i	209	<i>modioliformis</i> Lea.	Santee canal, S. C.
98	xiv	41	i	210	<i>Kirtlandianus</i> Lea.	Mahoning, O.
100	xiv	43	i	212	<i>Nashvillianus</i> Lea.	Cumberland r., Ohio riv., Louisville.
101	xv	44	i	213	<i>Blandingianus</i> Lea.	St. John's riv., Fla.?
102	xv	45	i	214	<i>camelus</i> Lea.	Ohio river.
103	xv	46	i	215	<i>Griffithianus</i> Lea.	S. C.
103	xvi	47	i	215	<i>confertus</i> Lea. [ <i>sis</i> Lea.	Santee canal, S. C.
104	xvi	48	i	216	<i>Symphynota Benedicten-</i>	Lake Champlain.
106	xvii	50	i	218	<i>Margaritana Ravenelliana</i>	French Broad and Lea. Swanandø r., N. C.
112	xix	79	i	224	<i>Io spinosa</i> Lea.	Holston river, Va.
114	xix	81	i	226	<i>Lymnæa acuta</i> Lea.	Philadelphia.
114	xix	82	i	226	<i>exilis</i> Lea.	Ohio.
115	xix	83	i	227	<i>Physa elliptica</i> Lea. [ <i>Lea.</i>	
115	xix	84	i	227	<i>Ampullaria Hopetonensis</i>	Hopeton, Ga.
116	xix	85	i	228	<i>Paludina Georgiana</i> Lea.	Hopeton, Ga.
117	xix	86	i	229	<i>Succinea retusa</i> Lea.	Cincinnati, O.

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Lea.—Descriptions of new Fresh Water and Land Shells, from vol. vi, part 1, 1839.

1	i	1	ii	1	<i>Anodonta gigantea</i> Lea.	Port Gibson.
2	ii	2	ii	2	<i>ovata</i> Lea.	Marietta, O.
4	ii	4	ii	4	<i>Unio venustus</i> Lea.	O., Mo.
5	iii	5	ii	5	<i>Vaughanianus</i> Lea.	Camden, S. C.
6	iii	6	ii	6	<i>pulcher</i> Lea.	Nashville, Tenn.
7	iii	7	ii	7	<i>obscurus</i> Lea.	Nashville, Tenn.
8	iv	8	ii	8	<i>Fisherianus</i> Lea.	Chester river, Md.

TRANS. Vol. vi, 1839.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
9	iv	9	ii	9	<i>Unio jejunus</i> Lea.	Cam'n, Roanoke, S. C.
10	iv	10	ii	10	<i>arotior</i> Lea.	Cincinnati.
11	v	11	ii	11	<i>turgidus</i> Lea.	New Orleans.
12	v	12	ii	12	<i>coccineus</i> Lea.	Ohio.
13	v	13	ii	13	<i>solidus</i> Lea.	Ohio.
14	vi	14	ii	14	<i>Hydianus</i> Lea.	Louisiana.
15	vi	15	ii	15	<i>interruptus</i> Lea.	Harpeth river, Tenn.
17	xxiii	81	ii	17	<i>Paludina hyalina</i> Lea.	Poland, O.
17	xxiii	98	ii	17	<i>Melania inflata</i> Lea.	Indian creek, Va.
18	xxiii	106	ii	18	<i>Physa aurea</i> Lea.	Hot Spring, Va.
22	xxiii	104	ii	22	<i>Paludina pallida</i> Lea.	Cincinnati.
23	vii	17	ii	23	<i>Unio pumilus</i> Lea.	Black river, N. C.
24	vii	18	ii	24	<i>Tampicoensis</i> Lea.	Tampico, &c., Mex.
25	vii	19	ii	25	<i>Cumberlandicus</i> Lea.	Cumb'land r., Tenn.
26	viii	20	ii	26	<i>stimus</i> Lea.	Cumb'land r., Tenn.
27	viii	21	ii	27	<i>Roanokensis</i> Lea.	Roanoke riv., N. C., Altamaha r., Ala.
28	viii	22	ii	28	<i>notatus</i> Lea.	Cumberland river.
28	ix	23	ii	28	<i>Jayensis</i> Lea.	Florida.
29	ix	24	ii	29	<i>Hopetonensis</i> Lea.	Hopeton.
30	ix	25	ii	30	<i>lugubris</i> Lea.	Hopeton.
31	x	26	ii	31	<i>Barnesianus</i> Lea.	Cumb'land r., Tenn.
32	x	27	ii	32	<i>Zelglerianus</i> Lea.	Cumb'land r., Tenn.
33	x	28	ii	33	<i>creperus</i> Lea.	Tennessee.
34	x	29	ii	34	<i>glaber</i> Lea.	Holston riv., Tenn.
35	x	30	ii	35	<i>gibber</i> Lea.	Carryfork r., Tenn.
36	xi	31	ii	36	<i>Vanuxemensis</i> Lea.	Cumb'land r., Tenn.
37	xi	32	ii	37	<i>carbonarius</i> Lea.	Medellin riv., Mex.
38	xi	33	ii	38	<i>folliculatus</i> Lea.	Savannah river.
39	xii	34	ii	39	<i>Medellinus</i> Lea.	Medellin river, near Vera Cruz.
40	xii	35	ii	40	<i>Lecontianus</i> Lea.	Conochee river, Ga.
41	xii	36	ii	41	<i>Muhlfeldianus</i> Lea.	Cumb'land r., Tenn.
42	xiii	37	ii	42	<i>Margaritana Holstonia</i>	Holston river.
43	xiii	38	ii	43	<i>deltoides</i> Lea. [Lea.	Cincinnati, O.
44	xiii	39	ii	44	<i>fabula</i> Lea.	Cumb'land r., Tenn.
45	xiii	40	ii	45	<i>Anodonta cylindracea</i> Lea.	Medellin r., near V.
45	xiv	41	ii	45	<i>salmonia</i> Lea.	Poland, O. [Cruz.
46	xiv	42	ii	46	<i>Wardiana</i> Lea.	Chillicothe, O.
47	xiv	43	ii	47	<i>Buchanensis</i> Lea.	Buck creek, O.
48-57	xv		ii	48-57	Anatomy of Naiades.	
57	xvi	50	ii	57	<i>Unio spinosus</i> Lea.	Altamaha, Ga.
61	xvji	53	ii	61	<i>pliciferus</i> Lea.	Mexico.



TRANS. Vol. vi, 1839.			Obs.		
Pa.	Pl.	Fig.	V.	Pa.	
62	xvii	55	ii	62	<b>Unio Tappanianus</b> <i>Lea.</i> Juniata river. <i>U. viridis</i> Conr. non. <i>Raf.</i>
64	xx	63	ii	64	<b>Anodonta decora</b> <i>Lea.</i> Ohio.
67	xxiii	82	ii	67	<b>Helix Wardiana</b> <i>Lea.</i> Ohio.
68	xxiii	83	ii	68	<b>Planorbis lens</b> <i>Lea.</i> Cincinnati.
69			ii	69	Note on <i>Carocolla spinosa</i> .
69	xix	60	ii	69	<b>Unio graniferus</b> <i>Lea.</i> Cincinnati.
70	xix	61	ii	70	<i>splendidus</i> <i>Lea.</i> Altamaha river, Ga.
71	xxii	69	ii	71	<b>Margaritana arcula</b> <i>Lea.</i> Altamaha river, Ga.
73	xvii	54	ii	73	<b>Unio Dorfeullianus</b> <i>Lea.</i> Ohio.
76	xix	59	ii	76	<i>Menkianus</i> <i>Lea.</i> Harpeth river, Tenn.
77	xx	62	ii	77	<b>Anodonta Nuttalliana</b> <i>Lea.</i> Wahlamat riv., Or.
78	xx	64	ii	78	<i>Wahlamatensis</i> <i>Lea.</i> Wahlamat riv., Or.
78	xxi	65	ii	78	<i>pavonia</i> <i>Lea.</i> Little Beaver r., O.
79	xxi	66	ii	79	<i>Newtoniensis</i> <i>Lea.</i> Newtown or., N. J.
80	xxi	67	ii	80	<i>Oregonensis</i> <i>Lea.</i> Wahlamat river.
87	xxiii	71	ii	87	<b>Helix Mitchelliana</b> <i>Lea.</i> Ohio.
87	xxiii	72	ii	87	<i>Vancouverensis</i> <i>Lea.</i> Fort Vancouver, Or.
88	xxiii	74	ii	88	<i>Nuttalliana</i> <i>Lea.</i> Fort Vancouver, Or.
89	xxiii	75	ii	89	<i>Columbiana</i> <i>Lea.</i> Fort Vancouver, Or.
91	xxiii	93	ii	91	<b>Paludina virens</b> <i>Lea.</i> Wahlamat, Or.
91	xxiii	103	ii	91	<i>nucloa</i> <i>Lea.</i> Wahlamat, Or.
92	xxiii	109	ii	92	<i>Nickliniana</i> <i>Lea.</i> Hot Springs, Va.
92	xxiii	86	ii	92	<b>Melania Troostiana</b> <i>Lea.</i> Mossy creek, Tenn.
93	xxiii	90	ii	93	<i>plicifera</i> <i>Lea.</i> Wahlamat, Or.
93			ii	93	<i>M. tuberculata</i> <i>Lea.</i> = <i>Spixiana</i> <i>Lea.</i>
94	xxiii	91	ii	94	<b>Lymnæa solida</b> <i>Lea.</i> Wahlamat, Or.
95	xviii	56	ii	95	<b>Unio Rangianus</b> <i>Lea.</i> Ohio.
96	xvi	51	ii	96	<i>Pepinianus</i> <i>Lea.</i> Lake Pepin, O.
97	xvi	52	ii	97	<b>Anodonta angulata</b> <i>Lea.</i> Lewis' river, Or.
99	xxiii	79	ii	99	<b>Helix Californiensis</b> <i>Lea.</i> St. Diego, U. Cal.
99	xxiii	80	ii	99	<i>Townsendiana</i> <i>Lea.</i> Wahlamat, Or.
100	xxiii	84	ii	100	<i>Nickliniana</i> <i>Lea.</i> St. Diego, U. Cal.
100	xxiii	85	ii	100	<i>Oregonensis</i> <i>Lea.</i> Wahlamat, Or.
101	xxiii	107	ii	101	<b>Succinea aperta</b> <i>Lea.</i> Bks. of Columbia r.
101	xxiii	109	ii	101	<b>Paludina Nuttalliana</b> <i>Lea.</i> Wahlamat, Or.
102	xxiii	94	ii	102	<b>Lymnæa apicina</b> <i>Lea.</i> Wahlamat, Or.
103	xxiv	113	ii	103	<b>Unio dolabraformis</b> <i>Lea.</i> Altamaha river.
104	xxiv	114	ii	104	<i>Novi-eboraci</i> <i>Lea.</i> Orleans co., N. Y.
105	xxiv	115	ii	105	<i>Claibornensis</i> <i>Lea.</i> Claiborne, Ala.
106	xxiv	117	ii	106	<b>Anodonta subcylindracea</b> Orleans co., N. Y. <i>Lea.</i>

TRANS. Vol. vi, 1839.			Obs.	Name.	Locality.
Pa.	Pl.	Fig.	V. Pa.		
107	xxiv	118	ii 107	<b>Polygyra Dorfeuilliana</b> <i>Lea</i>	Ohio.
107	xxiv	119	ii 107	<b>Troostiana</b> <i>Lea.</i>	Tennessee.
113			ii 113	<b>Lea.</b> —Synopsis of the family of Naiades.	
[I do not give the American species of this Synopsis, as they are included, with one or two exceptions, in the second edition of the Synopsis, which is given on p. 230.—W. G. B.]					
Vol. vii, 1841.					
73				<b>Lea.</b> —Vol. vii of the same contains only "On the <i>Patella amœna</i> of Say." Date of title, 1841.	
73				<b>Patelloidea testudinalis</b> Norway, Greenland, <i>P. amœna</i> Couth. [ <i>Lea.</i> &c. <i>Patella amœna</i> Say. <i>testudinalis</i> Müll. &c. <i>testudinaria</i> Müll. <i>tessellata</i> Müll. <i>testudinaria-Groenlandica</i> Ch. <i>Clealandii</i> Sowb. <i>virginea</i> Müll. (Geml.?) <i>clypeus</i> Ker. (MSS.) <i>Lottia Antillarum</i> Sowb.	
Vol. viii, 1843.					
163				<b>Lea.</b> —Description of new Fresh Water and Land Shells. Date of title, 1843.	
164	v	1	iii 2	<b>Melania Hildrethiana</b> <i>Lea.</i>	Ohio r. at Marietta.
164	v	2	iii 2	<b>castanea</b> <i>Lea.</i>	Maury co., Tenn.
165	v	3	iii 3	<b>lævigata</b> <i>Lea.</i>	Claiborne, Ala.
165	v	4	iii 3	<b>Kirtlandiana</b> <i>Lea.</i>	Ind., O., &c.
165	v	5	iii 3	<b>Taitiana</b> <i>Lea.</i>	Claiborne, Ala.
166	v	6	iii 4	<b>dubiosa</b> <i>Lea.</i>	Tennessee.
166	v	7	iii 4	<b>ebenum</b> <i>Lea.</i>	Robinson co., Tenn.
167	v	8	iii 5	<b>rufa</b> <i>Lea.</i>	Mamma's cr., Tenn.
167	v	9	iii 5	<b>fusiformis</b> <i>Lea.</i>	Tennessee.
168	v	10	iii 6	<b>claviformis</b> <i>Lea.</i>	Ocoee Dist., Clinch
168	v	11	iii 6	<b>gracilis</b> <i>Lea.</i>	Tennessee. [r. Tenn.
168	v	12	iii 6	<b>subsolida</b> <i>Lea.</i>	Tennessee.
169	v	13	iii 7	<b>Ocoeeensis</b> <i>Lea.</i>	Ocoee Dist., Tenn.
169	v	14	iii 7	<b>subcylindræa</b> <i>Lea.</i>	Tennessee.
170	v	15	iii 8	<b>sordida</b> <i>Lea.</i>	Tennessee.

TRANS. Vol. viii, 1843.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
170	v	16	iii	8	<b>Melania regularis</b> <i>Lea.</i>	Ocoonee Dist., Tenn.
170	v	17	iii	8	<i>fuliginosa</i> <i>Lea.</i>	Maury co., Tenn.
171	v	18	iii	9	<i>Nickliniana</i> <i>Lea.</i>	Bath co., Va.
171			iii	10	<b>Anculosa inflata</b> <i>Lea.</i> <i>Melania dilatata</i> Conrad. <i>Rogersi</i> Conrad. <i>Anculotus carinatus</i> Anth. <i>Kirtlandianus</i> Anth.	
172	v	19	iii	10	<b>Melania viridis</b> <i>Lea.</i>	Cincinnati.
172	v	20	iii	10	<i>occidentalis</i> <i>Lea.</i>	Cincinnati.
173	v	21	iii	11	<b>Niagarensis</b> <i>Lea.</i>	Niagara Falls.
174	v	22	iii	12	<i>globula</i> <i>Lea.</i>	Tennessee.
174	v	23	iii	12	<b>altilis</b> <i>Lea.</i>	Santee ca., S.C., Hav. de Grace, Md.
175	v	24	iii	13	<i>strigosa</i> <i>Lea.</i>	Holston river, Tenn.
175	v	25	iii	13	<i>virgata</i> <i>Lea.</i>	Tenn.
176	v	26	iii	14	<b>tenebrosa</b> <i>Lea.</i>	Tenn.
176	v	27	iii	14	<i>teres</i> <i>Lea.</i>	Tenn.
176	v	28	iii	14	<i>obtusa</i> <i>Lea.</i>	Tenn.
177	v	29	iii	15	<b>Lecontiana</b> <i>Lea.</i>	Georgia.
177	v	30	iii	15	<i>corrugata</i> <i>Lea.</i>	Tennessee.
178	vi	31	iii	16	<i>monozonalis</i> <i>Lea.</i>	Tennessee.
178	vi	32	iii	16	<b>terebialis</b> <i>Lea.</i>	Tennessee.
179	vi	33	iii	17	<i>oculumella</i> <i>Lea.</i>	Tennessee.
179	vi	34	iii	17	<i>blanda</i> <i>Lea.</i>	Tennessee.
179	vi	35	iii	17	<b>crebri-costata</b> <i>Lea.</i>	Robinson co., Tenn.
180	vi	36	iii	18	<b>Curreyana</b> <i>Lea.</i>	Barren river, Ky.
180	vi	37	iii	18	<b>Edgariana</b> <i>Lea.</i>	Cany Fork, Tenn.
181	vi	38	iii	19	<i>decora</i> <i>Lea.</i>	Tenn., Green r. Ky.
181	vi	39	iii	19	<i>costulata</i> <i>Lea.</i>	Barren r. Ky., Tenn.
182	vi	40	iii	20	<i>nitens</i> <i>Lea.</i>	Tennessee.
182	vi	41	iii	20	<b>plicatula</b> <i>Lea.</i>	Tennessee.
183	vi	42	iii	21	<i>ococinna</i> <i>Lea.</i>	Tennessee.
183	vi	43	iii	21	<b>Babylonica</b> <i>Lea.</i>	Yellow sps., Green
183	vi	44	iii	21	<i>exarata</i> <i>Lea.</i>	Tennessee. [co., O.
184	vi	45	iii	22	<b>Potosiensis</b> <i>Lea.</i>	Potosi, Mo.
184	vi	46	iii	22	<b>acuto-carinata</b> <i>Lea.</i>	Tennessee.
185	vi	47	iii	23	<b>Wardariana</b> <i>Lea.</i>	Cedar creek, Va.
185	vi	48	iii	23	<i>sulcosa</i> <i>Lea.</i>	Tennessee.
186	vi	49	iii	24	<b>striata</b> <i>Lea.</i>	Tennessee.
186	vi	50	iii	24	<b>pillula</b> <i>Lea.</i>	Tennessee.
187	vi	51	iii	25	<b>circincta</b> <i>Lea.</i>	Tennessee.
187	vi	52	iii	25	<b>venusta</b> <i>Lea.</i>	Tennessee.

TRANS. Vol. viii, 1843.			OBS.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
188	vi	53	iii	26	<b>Melania Florentiana</b> <i>Lea.</i>	Florence, Ala.
188	vi	54	iii	26	<b>Duttoniana</b> <i>Lea.</i>	Tennessee.
189	vi	55	iii	27	<b>Holstonia</b> <i>Lea.</i>	Holston river, Tenn.
189	vi	56	iii	27	<b>caliginosa</b> <i>Lea.</i>	Tennessee.
190	vi	57	iii	28	<b>nodulosa</b> <i>Lea.</i>	Tennessee.
190	vi	58	iii	28	<b>Cincinnatiensis</b> <i>Lea.</i>	Cinn., Holston, Ten.
191	vii	1	iii	29	<b>Unio exiguus</b> <i>Lea.</i>	Columbus, Ga.
193	vii	3	iii	31	<b>cuneolus</b> <i>Lea.</i>	Holston river, Tenn.
194	viii	4	iii	32	<b>Cincinnatiensis</b> <i>Lea.</i>	Cincinnati.
195	viii	5	iii	33	<b>Stonensis</b> <i>Lea.</i>	Stone's river, Tenn.
195	viii	6	iii	33	<b>Lesueurianus</b> <i>Lea.</i>	Cany Fork and Holston river, Tenn.
196	ix	7	iii	34	<b>dactylus</b> <i>Lea.</i>	Cany Fork, Tenn.
197	ix	8	iii	35	<b>biangulatus</b> <i>Lea.</i>	Cany Fork, Tenn.
198	ix	9	iii	36	<b>strigosus</b> <i>Lea.</i>	Columbus, Ga.
198	x	10	iii	36	<b>tener</b> <i>Lea.</i>	Big Pigeon r., Tenn.
199	x	11	iii	37	<b>Tennesseensis</b> <i>Lea.</i>	Stone's river, Tenn.
200	x	12	iii	38	<b>amoenus</b> <i>Lea.</i>	Holston river Tenn.
201	xi	13	iii	39	<b>obtusus</b> <i>Lea.</i>	Columbus, Ga.
201	xi	14	iii	39	<b>fatuus</b> <i>Lea.</i>	Holston river, Tenn.
202	xi	15	iii	40	<b>Geddingsianus</b> <i>Lea.</i>	Congaree riv., S. C.
203	xii	16	iii	41	<b>striatus</b> <i>Lea.</i>	Columbus, Ga.
204	xii	17	iii	42	<b>tortivus</b> <i>Lea.</i>	Columbus, Ga.
204	xii	18	iii	42	<b>lenior</b> <i>Lea.</i>	Holston river, Tenn.
205	xii	19	iii	43	<b>nitens</b> <i>Lea.</i>	Cocke co., Tenn.
206	xii	20	iii	44	<b>lineatus</b> <i>Lea.</i>	Columbus, Ga.
207	xiii	21	iii	45	<b>atromarginatus</b> <i>Lea.</i>	Columbus, Ga.
208	xiii	22	iii	46	<b>Boykinianus</b> <i>Lea.</i>	Columbus, Ga.
209	xiii	23	iii	47	<b>subangulatus</b> <i>Lea.</i>	Columbus, Ga.
209	xiv	24	iii	47	<b>pillaris</b> <i>Lea.</i>	French Broad and Holston r., E. Ten.
210	xiv	25	iii	48	<b>tuberosus</b> <i>Lea.</i>	Cany Fork and Cumberland rvs., M. Ten.
211	xiv	26	iii	49	<b>plenus</b> <i>Lea.</i>	Cincinnati.
212	xv	27	iii	50	<b>Holstonensis</b> <i>Lea.</i>	Holston river Tenn.
213	xv	28	iii	51	<b>Bowenianus</b> <i>Lea.</i>	Chillicothe, O.
213	xv	29	iii	51	<b>paulus</b> <i>Lea.</i>	Columbus, Ga.
214	xv	30	iii	52	<b>Edgarianus</b> <i>Lea.</i>	Holston river, Tenn., Florence, Ala.
215	xv	31	iii	53	<b>dolabelloides</b> <i>Lea.</i>	Holston river, Tenn.
216	xvi	32	iii	54	<b>Boydianus</b> <i>Lea.</i>	Orleans co., N. Y.
217	xvi	33	iii	55	<b>Sloatianus</b> <i>Lea.</i>	Chattahoochee r., G.

TRANS. Vol. viii, 1843.			OBS.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
217	xvi	34	iii	55	<b>Unio incrassatus</b> <i>Lea.</i>	Columbus, Ga.
220	xviii	36	iii	59	<b>pusillus</b> <i>Lea.</i> [ <i>Lea.</i>	Ogechee river, Ga.
223	xviii	40	iii	61	<b>Margaritana Curreyiana</b>	Stone's river, Tenn.
223	xix	41	iii	61	<b>Anodonta argentea</b> <i>Lea.</i>	Stone's river, Tenn.
224	xix	42	iii	62	<b>Harpethensis</b> <i>Lea.</i>	Harpeth's riv., Ten.
225	xix	43	iii	63	<b>ferruginea</b> <i>Lea.</i>	Simon's creek, Ind.
225	xx	44	iii	63	<b>Footiana</b> <i>Lea.</i>	Fort Winnebago.
226	xx	45	iii	64	<b>Marryattana</b> <i>Lea.</i>	Fort Winnebago.
227	xx	46	iii	65	<b>Couperiana</b> <i>Lea.</i>	Hopeton, Ga.
227					<b>incerta ?</b>	Hopeton, Ga.
228	vi	59	iii	66	<b>Melania Boykiniana</b> <i>Lea.</i>	Columbus, Ga.
228	vi	60	iii	66	<b>catenoides</b> <i>Lea.</i>	Columbus, Ga.
229	vi	61	iii	67	<b>Carocolla Cumberlandiana</b>	Cumberland Mts., <i>Lea.</i> Jasper, Tenn.
229	vi	62	iii	67	<b>Cyclostoma Cincinnatien-</b> <b>incerta ?</b> <b>se</b> <i>Lea.</i>	Cincinnati.
230-233			iii	68	Notes on Anatomy of Naiades.	
233	xxi	47	iii	71	<b>Unio Sapotalensis</b> <i>Lea.</i>	Sapotal river, Mex.
234	xxi	48	iii	72	<b>Tecomatensis</b> <i>Lea.</i>	Tecomate riv., Mex.
235	xxi	49	iii	73	<b>Georgianus</b> <i>Lea.</i>	Stump creek, Ga.
236	xxii	50	iii	74	<b>Duttonianus</b> <i>Lea.</i>	Ogechee canal, Ga.
237	xxii	51	iii	75	<b>Bigbyensis</b> <i>Lea.</i>	Big Bigbee cr., Ten.
238	xxii	52	iii	76	<b>crocatus</b> <i>Lea.</i>	Savannah river, Ga.
239	xxiii	54	iii	77	<b>callosus</b> <i>Lea.</i>	Ohio canal, 12 miles below Columbus.
241	xxiv	56	iii	79	<b>Anodonta globosa</b> <i>Lea.</i>	Concha Lake, Tlocat- alpam, Mexico.
242	xxv	57	iii	80	<b>Unio argenteus</b> <i>Lea.</i>	Holston river, Tenn.
242	xxv	58	iii	80	<b>sparsus</b> <i>Lea.</i>	Holston river, Tenn.
243	xxv	59	iii	81	<b>regularis</b> <i>Lea.</i>	French Br'd r., Ten.
244	xxvi	60	iii	82	<b>mæstus</b> <i>Lea.</i>	French Br'd r., Ten.
245	xxvi	62	iii	83	<b>Brumbyanus</b> <i>Lea.</i>	Tuscaloosa, Ala.
246	xxvi	61	iii	84	<b>Dariensis</b> <i>Lea.</i>	Darien, Ga.
247	xxvii	63	iii	85	<b>Haleianus</b> <i>Lea.</i>	Miss. river, 30 miles above N. Orleans.
247	xxvii	64	iii	85	<b>Foremanianus</b> <i>Lea.</i>	Tuscaloosa, Ala.
248	xxvii	65	iii	86	<b>Anodonta Dunlapiana</b> <i>Lea.</i>	South Carolina.
					(Corrigenda.)	
					<i>Melania lævigata</i> <i>Lea</i> = <i>lævis</i> <i>Lea.</i>	
					<i>rufa</i> <i>Lea</i> = <i>rufescens</i> <i>Lea.</i>	
					<i>corrugata</i> <i>Lea</i> = <i>rugosa</i> <i>Lea.</i>	
					<i>striata</i> <i>Lea</i> = <i>striatula</i> <i>Lea.</i>	

TRANS.  
Vol. ix, 1844.  
V. Pa.

Obs.  
V. Pa.

		Name.	Locality.
<b>Lea.</b> —Continuation of Mr. LEA's paper on Fresh Water and Land Shells. Date of title of vol. ix, part 1, 1844.			
ix 1	iv 1	<b>Helix Tennesseeensis</b> <i>Lea.</i>	Cumb'land Mt., Tenn.
ix 2	iv 2	<b>Carocolla Edgariana</b> <i>Lea.</i>	Cumb'land Mt., Tenn.
ix 3	iv 3	<b>Succinea Wardiana</b> <i>Lea.</i>	Ohio.
ix 4	iv 4	<b>Totteniana</b> <i>Lea.</i>	Newport, R. I.
ix 4	iv 4	<b>Nuttalliana</b> <i>Lea.</i>	Oregon.
ix 4	iv 4	<b>aurea</b> <i>Lea.</i>	Springfield, O.
ix 5	iv 5	<b>Oregonensis</b> <i>Lea.</i>	Oregon.
ix 5	iv 5	<b>inflata</b> <i>Lea.</i>	South Carolina.
ix 6	iv 6	<b>Planorbis regularis</b> <i>Lea.</i>	United States.
ix 6	iv 6	<b>Buchanensis</b> <i>Lea.</i>	Cincinnati.
ix 6	iv 6	<b>bellus</b> <i>Lea.</i>	Tennessee.
ix 6	iv 6	<b>lens</b> <i>Lea</i> = <b>lenticularis</b> <i>Lea.</i>	
ix 7	iv 7	<b>Physa Hildrethiana</b> <i>Lea.</i>	Illinois.
ix 7	iv 7	<b>inflata</b> <i>Lea.</i>	Virginia.
ix 7	iv 7	<b>Troostiana</b> <i>Lea.</i>	Tennessee.
ix 8	iv 8	<b>Limnæa Philadelphica</b> <i>Lea.</i>	Schuylkill river.
ix 8	iv 8	<b>Griffithiana</b> <i>Lea.</i>	Charlotte Lake, N. Y.
ix 9	iv 9	<b>Nuttalliana</b> <i>Lea.</i>	Oregon.
ix 9	iv 9	<b>bulimoides</b> <i>Lea.</i>	Oregon.
ix 9	iv 9	<b>exigua</b> <i>Lea.</i>	Tennessee.
ix 9	iv 9	<b>planulata</b> <i>Lea.</i>	White Sulph. Spr., Va.
ix 10	iv 10	<b>fusiformis</b> <i>Lea.</i>	Lewistown, N. Y.
ix 10	iv 10	<b>rustica</b> <i>Lea.</i>	Poland, O.
ix 10	iv 10	<b>plica</b> <i>Lea.</i>	Tennessee.
ix 11	iv 11	<b>coarctata</b> <i>Lea.</i>	Newport, R. I.
ix 11	iv 11	<b>casta</b> <i>Lea.</i>	Poland, O.
ix 11	iv 11	<b>parva</b> <i>Lea.</i>	Cincinnati.
ix 11	iv 11	<b>curta</b> <i>Lea.</i>	Cincinnati.
ix 12	iv 12	<b>strigosa</b> <i>Lea.</i>	Cincinnati.
ix 12	iv 12	<b>Kirtlandiana</b> <i>Lea.</i>	Poland, O.
ix 13	iv 13	<b>Paludina regularis</b> <i>Lea.</i>	Ohio. ?
ix 13	iv 13	<b>obtusa</b> <i>Lea.</i>	Ohio.
ix 14	iv 14	<b>Troostiana</b> <i>Lea.</i>	Tennessee.
ix 14	iv 14	<b>Anculosa</b> (notes on the genus.)	
ix 15	iv 15	<b>Troostiana</b> <i>Lea.</i>	Tennessee.
ix 15	iv 15	<b>gibbosa</b> <i>Lea.</i>	Tennessee.
ix 15	iv 15	<b>carinata</b> <i>Lea.</i>	Roanoke river.
ix 15	iv 15	<b>variabilis</b> <i>Lea.</i>	Roanoke river.
ix 16	iv 16	<b>Amnicola</b> (notes on the genus.)	

TRANS. Vol. ix, 1844.		Obs.		Name.	Locality.
V.	Pa.	V.	Pa.		
ix	16	iv	16	<i>Ammicola orbiculata</i> <i>Lea.</i>	Springfield, O., and Cayuga Lake.
ix	16	iv	16	<i>limosa</i> <i>Say.</i>	
ix	16	iv	16	<i>porata</i> <i>Say.</i>	
ix	16	iv	16	<i>isogona</i> <i>Say.</i>	
				<i>Paludina pallida</i> <i>Lea.</i>	
ix	16	iv	16	<i>parva</i> <i>Lea.</i>	Springfield, O.
ix	17	iv	17	<i>Io tenebrosa</i> <i>Lea.</i>	Tennessee.
ix	17	iv	17	<i>Helix Mobiliana</i> <i>Lea.</i>	Mobile.
ix	17	iv	17	<i>minutissima</i> <i>Lea.</i>	Cincinnati.
ix	18	iv	18	<i>Melania turgida</i> <i>Lea.</i>	Holston river, Tenn.
ix	18	iv	18	<i>glabra</i> <i>Lea.</i>	Holston river, Tenn.
ix	18	iv	18	<i>perfusca</i> <i>Lea.</i>	Calf Killer cr., Tenn.
ix	19	iv	19	<i>picta</i> <i>Lea.</i>	Holston river, Tenn.
ix	19	iv	19	<i>impressa</i> <i>Lea.</i>	Coosa river, Ala.
ix	19	iv	19	<i>robusta</i> <i>Lea.</i>	Coosa river, Ala.
ix	20	iv	20	<i>Jayana</i> <i>Lea.</i>	Cany Fork, De Kalb co.,
ix	20	iv	20	<i>Anculosa rubiginosa</i> <i>Lea.</i>	Warrior r., Ala. [Tenn.]
ix	20	iv	20	<i>Griffithiana</i> <i>Lea.</i>	Coosa river, Ala.
ix	21	iv	21	<i>tuberculata</i> <i>Lea.</i>	Black Warrior r., Ala.
ix	21	iv	21	<i>Valvata bicarinata</i> <i>Lea.</i> (with notes on animal and ova).	Schuylkill river.
ix	22	iv	22	<i>Paludina angulata</i> <i>Lea.</i>	Coosa river, Ala.
ix	23	iv	23	<i>Coosaensis</i> <i>Lea.</i> [ <i>Lea.</i>	Coosa river, Ala.
ix	23	iv	23	<i>cyclostomatiformis</i>	Coosa river, Ala.
ix	24	iv	24	Notes on genus <i>Melania.</i>	
ix	24	iv	24	<i>Melania plicatula</i> <i>Lea</i> = <i>M. Deshayesi</i> <i>Lea.</i>	
ix	24	iv	24	<i>plicata</i> <i>Lea</i> = <i>M. Menkeana</i> <i>Lea.</i>	
ix	24	iv	24	<i>exarata</i> <i>Lea</i> = <i>M. arata</i> <i>Lea.</i>	
ix	24	iv	24	<i>Planorbis lens</i> <i>Lea</i> = <i>Pl. Brogniartiana</i> <i>Lea.</i>	
ix	25	iv	25	<i>Melania vanuxemiana</i> <i>Lea.</i>	Alabama.
ix	25	iv	25	<i>ovalis</i> <i>Lea.</i>	Alabama.
ix	25	iv	25	<i>Haysiana</i> <i>Lea.</i> [ <i>ma.</i> ]	Alabama.
ix	25	iv	25	<i>excisa</i> <i>Lea</i> ( <i>Schizosto-</i>	Alabama.
ix	26	iv	26	<i>Schizostoma</i> <i>Lea</i> (n. g.)	
ix	26	iv	26	<i>Melania Ordiana</i> <i>Lea.</i>	Alabama.
ix	26	iv	26	<i>brevis</i> <i>Lea.</i>	Alabama.
ix	27	iv	27	<i>oliva</i> <i>Lea.</i>	Alabama.
ix	27	iv	27	<i>Foremani</i> <i>Lea.</i>	Alabama.
ix	27	iv	27	<i>torquata</i> <i>Lea.</i>	Tennessee.
ix	28	iv	28	<i>producta</i> <i>Lea.</i>	Tennessee.
ix	28	iv	28	<i>curvata</i> <i>Lea.</i>	Tennessee.
ix	28	iv	28	<i>expansa</i> <i>Lea.</i>	Alabama.

TRANS. Vol. ix, 1844.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
28	ix	28	iv	28	<b>Anculosa incisa</b> <i>Lea.</i>	Alabama.
29	ix	29	iv	29	<b>Foremani</b> <i>Lea.</i>	Alabama.
29	ix	29	iv	29	<b>solida</b> <i>Lea.</i>	Alabama.
30	ix	30	iv	30	<b>flammata</b> <i>Lea.</i>	Alabama.
30	ix	30	iv	30	<b>Paludina incrassata</b> <i>Lea.</i>	Alabama.
30	ix	30	iv	30	<b>coarctata</b> <i>Lea.</i>	Alabama.

Vol. ix, pt. 3, 1846.

**Lea.**—Description of new Fresh Water and Land Shells. Date of part 3, 1846.

275	xxxix	1	iv	34	<b>Unio amygdalum</b> <i>Lea.</i>	Lake George, Fla.
276	xxxix	2	iv	34	<b>Buckleyi</b> <i>Lea.</i>	Lakes George and Munroe, Fla.
276	xxxix	3	iv	34	<b>minor</b> <i>Lea.</i>	Lakes George and Munroe, Fla.
277	xl	4	iv	35	<b>fuscatus</b> <i>Lea.</i>	Black creek, Fla.
277	xl	5	iv	35	<b>Buddianus</b> <i>Lea.</i>	L. George & Munroe,
278	xl	6	iv	36	<b>trossulus</b> <i>Lea.</i>	Lke. Munroe, Fla. [F.
279	xli	7	iv	37	<b>occultus</b> <i>Lea.</i>	Black cr. and Lake Munroe, Fla.
279	xli	8	iv	37	<b>Monroensis</b> <i>Lea.</i>	Lake Munroe, Fla.
280	xli	9	iv	38	<b>aheneus</b> <i>Lea.</i>	Black creek, Fla.
280	xlii	10	iv	38	<b>neglectus</b> <i>Lea.</i>	North Alabama.

Vol. x, pt. 1, 1847.

67 **Lea.**—Description of new Fresh Water and Land Shells. Date of vol. x, part 1, 1847.

67	i	1	iv	41	<b>Unio hippocæus</b> <i>Lea.</i>	Lake Erie.
68	i	2	iv	42	<b>latecostatus</b> <i>Lea.</i>	Tuscaloosa, Ala.
69	i	3	iv	43	<b>utriculus</b> <i>Lea.</i>	N. C.
69	ii	4	iv	43	<b>hyalinus</b> <i>Lea.</i>	Richmond, Va.
70	ii	5	iv	44	<b>atrocostatus</b> <i>Lea.</i>	Ala., La.
70	ii	6	iv	44	<b>pellucidus</b> <i>Lea.</i>	Chattahoochee, Ga.
71	iii	7	iv	45	<b>tumescens</b> <i>Lea.</i>	Alexandria, La.
71	iii	8	iv	45	<b>pernodosus</b> <i>Lea.</i>	N. C.
72	iii	9	iv	46	<b>flavescens</b> <i>Lea.</i>	Blk. Warrior r., Ala.
73	iv	10	iv	47	<b>fulgidus</b> <i>Lea.</i>	Alexandria, La.
73	iv	11	iv	47	<b>symmetricus</b> <i>Lea.</i>	Alexandria, La.
74	iv	12	iv	48	<b>unicolor</b> <i>Lea.</i>	Tuscaloosa, Ala.
74	v	13	iv	48	<b>approximus</b> <i>Lea.</i>	Alexandria, La.
75	v	14	iv	49	<b>asperatus</b> <i>Lea.</i>	Clinch river, Tenn.
76	v	15	iv	50	<b>simplex</b> <i>Lea.</i>	Blk. Warrior r., Ala.
76	v	16	iv	50	<b>Gouldii</b> <i>Lea.</i>	Tuscaloosa, Ala.



TRANS. Vol. x, 1847.			Oss.		Name.	Locality.
P'a.	Pl.	Fig.	V.	P'a.		
77	vi	17	iv	51	<b>Uro Estabrookianus</b> <i>Lea.</i>	Clinch river, Tenn.
77	vi	18	iv	51	<b>Binneyi</b> <i>Lea.</i>	Southern States.
78	vii	19	iv	52	<b>fuliginosus</b> <i>Lea.</i>	Cobb's creek, Phila.
79	vii	20	iv	53	<b>pallescens</b> <i>Lea.</i>	Tuscaloosa, Ala.
79	vii	21	iv	53	<b>caliginosus</b> <i>Lea.</i>	Alexandria, La.
80	viii	22	iv	54	<b>spatulatus</b> <i>Lea.</i>	Rock river, Wisc.
81	viii	23	iv	55	<b>compressissimus</b> <i>Lea.</i>	Holston river, Tenn.
81	viii	24	iv	55	<b>pulvinulus</b> <i>Lea.</i>	Murray co., Ala.
82	viii	25	iv	56	<b>Anodonta tetragona</b> <i>Lea.</i>	Alexandria, La.
82	viii	26	iv	56	<b>Margaritana minor</b> <i>Lea.</i>	Tenn., N. C.
83	ix	27	iv	57	<b>Melania solida</b> <i>Lea.</i>	Tennessee.
83	ix	28	iv	57	<b>proteus</b> <i>Lea.</i>	Tuscaloosa, Ala.
84	ix	29	iv	58	<b>lugubris</b> <i>Lea.</i>	Alabama.
84	ix	30	iv	58	<b>torta</b> <i>Lea.</i>	Big creek, Tenn.
85	ix	31	iv	59	<b>spurca</b> <i>Lea.</i>	Alabama.
85	ix	32	iv	59	<b>abrupta</b> <i>Lea.</i>	Alabama.
85	ix	33	iv	59	<b>basalis</b> <i>Lea.</i>	Alabama.
86	ix	34	iv	60	<b>modesta</b> <i>Lea.</i>	Columbus, Ga.
86	ix	35	iv	60	<b>Haleiana</b> <i>Lea.</i>	Alexandria, La.
86	ix	36	iv	60	<b>pumila</b> <i>Lea.</i>	Tuscaloosa, Ala.
87	ix	37	iv	61	<b>Alexandrensis</b> <i>Lea.</i>	Alexandria, La.
87	ix	38	iv	61	<b>ovoidea</b> <i>Lea.</i>	Alexandria, La.
88	ix	39	iv	62	<b>auriculæformis</b> <i>Lea.</i>	Tuscaloosa, Ala.
88	ix	40	iv	62	<b>carino-costata</b> <i>Lea.</i>	Ala., Tenn.
88	ix	41	iv	62	<b>filum</b> <i>Lea.</i>	Alabama.
89	ix	42	iv	63	<b>spinalis</b> <i>Lea.</i>	Alabama.
89	ix	43	iv	63	<b>pallescens</b> <i>Lea.</i>	Chester Dist., S. C.
90	ix	44	iv	64	<b>Buddii</b> <i>Lea.</i>	Tennessee?
90	ix	45	iv	64	<b>harpa</b> <i>Lea.</i>	Tuscaloosa, Ala.
90	ix	46	iv	64	<b>arctata</b> <i>Lea.</i>	Tuscaloosa, Ala.
91	ix	47	iv	65	<b>crebri-striata</b> <i>Lea.</i>	Tuscaloosa, Ala.
91	ix	48	iv	65	<b>nobilis</b> <i>Lea.</i>	Alabama.
92	ix	49	iv	66	<b>pernodosa</b> <i>Lea.</i>	Florence, Ala.
92	ix	50	iv	66	<b>Anculosa squalida</b> <i>Lea.</i>	Tuscaloosa, Ala.
93	ix	51	iv	67	<b>tintinnabulum</b> <i>Lea.</i>	Tenn., Tuscal'a, Ala.
93	ix		iv	67	<b>Schizostoma</b> <i>Lea</i> (n. g.)	
93	ix	52	iv	67	<b>pagoda</b> <i>Lea.</i>	Tuscaloosa, Ala.
93	ix		iv	67	<b>incisa</b> <i>Lea.</i>	
93	ix		iv	67	<b>excisa</b> <i>Lea.</i>	
94	ix	53	iv	68	<b>Buddii</b> <i>Lea.</i>	Tuscaloosa, Ala.
94	ix	54	iv	68	<b>Babylonicum</b> <i>Lea.</i>	Tuscaloosa, Ala.
94	ix	55	iv	68	<b>constrictum</b> <i>Lea.</i>	Tuscaloosa, Ala.
95	ix	56	iv	69	<b>funiculatum</b> <i>Lea.</i>	Tuscaloosa, Ala.

TRANS.			OBS.		Name.	Locality.
Vol. x, 1847.						
No.	Pl.	Fig.	V.	Pa.		
95	ix	57	iv	69	<b>Schizostoma laciniatum</b>	Tuscaloosa, Ala.
					<i>Lea.</i>	
96	ix	58	iv	70	<b>Paludina Haleiana</b>	Alexandria, La.
96	ix		iv	70	<b>Lea.</b> —Catalogue of Recent and Fossil Melania.	
[As no synonyms, references or localities are given by Mr. Lea, I have not considered it necessary to repeat this list.—W. G. B.]						
Vol. x, pt. 2, 1852.						
253			v	10	<b>Lea.</b> —New Fresh Water and Land Shells.	Date of vol. x, part 2, 1852.
254	xii	1	v	10	<b>Unio sordidus</b>	Abbeville Dis., S. C.
254	xii	2	v	10	<b>Gibbesianus</b>	Abbeville Dis., S. C.
255	xii	3	v	11	<b>perstriatus</b>	Abbeville Dis., S. C.
256	xiii	4	v	12	<b>Toumeyl</b>	Abbeville Dis., S. C.
256	xiii	5	v	12	<b>Barrattii</b>	Abbeville Dis., S. C.
257	xiii	6	v	13	<b>decoratus</b>	Abbeville Dis., S. C.
258	xiv	7	v	14	<b>rufusculus</b>	Abbeville Dis., S. C.
258	xiv	8	v	14	<b>Whiteianus</b>	Savannah, Ga.
259	xiv	9	v	15	<b>lazarus</b>	Abbeville Dis., S. C.
260	xv	10	v	16	<b>merus</b>	Abbeville Dis., S. C.
260	xv	11	v	16	<b>concavus</b>	Abbeville Dis., S. C.
261	xv	12	v	17	<b>ineptus</b>	Abbeville Dis., S. C.
261	xv	13	v	17	<b>buxeus</b>	Abbeville Dis., S. C.
262	xv	14	v	18	<b>pygmæus</b>	Abbeville Dis., S. C.
263	xvi	15	v	19	<b>fraternus</b>	Abbeville Dis., S. C., and Columbus, Ga.
263	xvi	16	v	19	<b>Cuvierianus</b>	Washington co., Ga.
264	xvi	17	v	20	<b>Forbesianus</b>	Savannah river.
265	xvii	18	v	21	<b>Kleinianus</b>	Suwanee river, Fla.
265	xvii	19	v	21	<b>satur</b>	Alexandria, La., Lk. Calcashue, La.
266	xvii	20	v	22	<b>Lamarckianus</b>	Caddo and Washitta rivers, Ark.
267	xviii	21	v	23	<b>hebes</b>	Ooonee river, Ga.
268	xviii	22	v	24	<b>Moussonianus</b>	Georgia.
268	xviii	23	v	24	<b>nigerrimus</b>	Alexandria, La.
269	xix	24	v	25	<b>Prevostianus</b>	Eutowah river, Ga.
270	xix	25	v	26	<b>Powellii</b>	Saline river, Ark.
271	xix	26	v	27	<b>affinis</b>	Alexandria, La.
271	xx	27	v	27	<b>proximus</b>	Georgia.
272	xx	28	v	28	<b>Reeveianus</b>	Alexandria, La.

TRANS. Vol. x, 1833.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
273	xx	29	v	29	<b>Unio luridus</b> <i>Lea.</i>	Coosawattee r., Ga.
273	xxi	30	v	29	<b>Clarkianus</b> <i>Lea.</i>	Williamsport, Tenn., Ala. ? Ga. ?
274	xxi	31	v	30	<b>Floridensis</b> <i>Lea.</i>	Chucktahachir., Fla.
275	xxi	32	v	31	<b>succissus</b> <i>Lea.</i>	W. Florida, New Or.
275	xxii	33	v	31	<b>Oregonensis</b> <i>Lea.</i>	Columbia river.
276	xxii	34	v	32	<b>Rumphianus</b> <i>Lea.</i>	West Georgia?
277	xxii	35	v	33	<b>sagittiformis</b> <i>Lea.</i>	Oconee river, Ga.
278	xxiii	36	v	34	<b>Stowardsonii</b> <i>Lea.</i>	Chattanooga r., Ten.
279	xxiii	37	v	35	<b>Hanleyianus</b> <i>Lea.</i>	Coosawattee r., Ga.
279	xxiii	38	v	35	<b>placitus</b> <i>Lea.</i>	Alabama.
280	xxiii	39	v	36	<b>Troschelianus</b> <i>Lea.</i>	Coosawattee r., Ga.
281	xxiii	40	v	37	<b>Kienerianus</b> <i>Lea.</i>	Coosawattee r., Ga.
283	xxiv	42	v	39	<b>nigellus</b> <i>Lea.</i>	Chattahoochee r., G.
283	xxiv	43	v	39	<b>nux</b> <i>Lea.</i>	Alabama.
284	xxiv	44	v	40	<b>nigrinus</b> <i>Lea.</i>	West Florida.
285	xxv	45	v	41	<b>Anodonta denigrata</b> <i>Lea.</i>	East Tennessee.
285	xxv	46	v	41	<b>opaca</b> <i>Lea.</i>	New Orleans, Little Rock, Ark., Rio Colorado, Cal.
286	xxv	47	v	42	<b>Californiensis</b> <i>Lea.</i>	Horn Lake cr., Tenn.
288	xxvi	50	v	44	<b>Schaefferiana</b> <i>Lea.</i>	Lake Concordia, La.
289	xxvii	51	v	45	<b>Linnsana</b> <i>Lea.</i>	Cincinnati.
289			v	45	<b>edentula</b> <i>Say?</i>	Campbell co., Tenn.
290	xxviii	52	v	46	<b>oblita</b> <i>Lea.</i>	Alexandria, La.
290	xxviii	53	v	46	<b>virens</b> <i>Lea.</i>	Little Arkansas riv.
293	xxix	56	v	49	<b>Arkansensis</b> <i>Lea.</i>	
295			v	51	<b>Lea.</b> —Description of a new genus ( <b>Basistoma</b> ) of the family Melaniana.	
295			v	51	<b>Schizostoma</b> <i>Lea</i> (preoc.) = <b>Schizochilus</b> <i>Lea.</i>	
296	xxx	2	v	52	<b>Melania perstriata</b> <i>Lea.</i>	Coosa r., Ala., Hunts- ville, Tenn.
297	xxx	3	v	53	<b>sculptilis</b> <i>Lea.</i>	Tennessee.
297	xxx	4	v	53	<b>Clarkii</b> <i>Lea.</i>	Duck creek, Tenn.
298	xxx	5	v	54	<b>Brumbyi</b> <i>Lea.</i>	Coosa r., Huntsville,
298	xxx	6	v	54	<b>oblita</b> <i>Lea.</i>	Tennessee? [Ala.]
299	xxx	7	v	55	<b>furva</b> <i>Lea.</i>	Coosa river, Ala.
299	xxx	8	v	55	<b>Sellersiana</b> <i>Lea.</i>	Cany Fork, Tenn.
300	xxx	9	v	56	<b>oppugnata</b> <i>Lea.</i>	Alabama river.
300	xxx	10	v	56	<b>Saffordii</b> <i>Lea.</i>	Lebanon, Tenn.
301	xxx	11	v	57	<b>pinguis</b> <i>Lea.</i>	Lebanon, Tenn.
301	xxx	12	v	57	<b>gibbosa</b> <i>Lea.</i>	Scioto river, O.

TRANS. Vol. x, 1853.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
303			v	59	<b>Lea.</b> —Description of a new species of <i>Helix</i> from California, and a new characteristic form of certain American <i>Collmacea</i> .	
303	xxx	13	v	59	<b>Helix Lecontii</b> <i>Lea.</i>	San Francisco.
304					Accessory column in	
304			v	60	<b>Carocolla spinosa</b> <i>Lea.</i>	
304			v	60	<b>Edgariana</b> <i>Lea.</i>	
304			v	60	<b>Helix hirsuta</b> <i>Say.</i>	
304			v	60	<b>monodon</b> <i>Rack.</i>	
304			v	60	<b>Leai</b> <i>Ward.</i>	
304			v	60	<b>leporina</b> <i>Gould.</i>	
304			v	60	<b>Lecontii</b> <i>Lea.</i>	
304			v	60	<b>Polygyra Troostiana</b> <i>Lea.</i>	
304			v	60	<b>Dorfeulliana</b> <i>Lea.</i>	
<hr/> Journ. Acad. N. Sc. Vol. iii, Jan. 1858.						
289			vi	9	<b>Lea.</b> —Descriptions of Exotic Genera and species of the family Unionidæ. (From Journal Acad. Nat. Sc. Philadelphia, (n. s.), vol. iii, pt. 4. Jan. 1858.) New Fresh Water and Land Shells. Observations on the genus <i>Unio</i> , vol. vi, pt. 1, 1857.	
311	xxx	26	vi	31	<b>Unio umbrosus</b> <i>Lea.</i>	Medellin riv., Mex.
314	xxxii	29	vi	34	<b>Coloradoensis</b> <i>Lea.</i>	Rio Colorado, Texas.
315	xxxii	30	vi	35	<b>Poeyanus</b> <i>Lea.</i>	R. de las Balsas, Coyucan, Mexico.
<hr/> Vol. iv, Dec. 1858.						
43			vi	43	<b>Lea.</b> —Descriptions of the Embryonic forms of thirty-eight species of Unionidæ, vol. iv, pt. 1. Dec. 1858. (Obs. vol. vi, pt. 2.)	
46	v		vi	46	<b>Unio obtusus</b> <i>Lea.</i>	
46	v		2	vi 46	<b>anodontoides</b> <i>Lea.</i>	
46	v		3	vi 46	<b>multiplicatus</b> <i>Lea.</i>	
46	v		4	vi 46	<b>rutilans</b> <i>Lea.</i>	
47	v		5	vi 47	<b>penicillatus</b> <i>Lea.</i>	
47	v		6	vi 47	<b>securis</b> <i>Lea.</i>	
47	v		7	vi 47	<b>retusus</b> <i>Lea.</i>	
47	v		8	vi 47	<b>Pratii</b> <i>Lea.</i>	
47	v		9	vi 47	<b>spatulatus</b> <i>Lea.</i>	
47	v		10	vi 47	<b>luteolus</b> <i>Lam.</i>	

Journ. A. N. Sc.      Obs.  
Vol. iv, 1836.

Pa.	Pl.	Fig.	V.	Pa.	Name.	Locality.
47	v	11	vi	47	<b>Unio rectus</b> Lam.	
47	v	12	vi	47	phaseolus Hldr.	
47	v	13	vi	47	occidens Lea.	
47	v	14	vi	47	Novi-Eboraci Lea.	
47	v	15	vi	47	ovatus Say.	
47	v	16	vi	47	Woodwardianus Lea.	
47	v	17	vi	47	multiradiatus Lea.	
48	v	18	vi	47	ligamentinus Lam.	
48	v	19	vi	48	triangularis Barnes.	
48	v	20	vi	48	radiatus Lam.	
48	v	21	vi	48	perplexus Lea.	
48	v	22	vi	48	undulatus Barnes.	
48	v	23	vi	48	pressus Lea.	
48	v	24	vi	48	laevissimus Lea.	
48	v	25	vi	48	alatus Say.	
48	v	26	vi	48	Margaritana rugosa Lea.	
49	v	27	vi	49	marginata Lea.	
49	v	28	vi	49	triangulata Lea.	
49	v	29	vi	49	complanata Lea.	
49	v	30	vi	49	deltoides Lea.	
49	v	31	vi	49	Hildrethiana Lea.	
49	v	32	vi	49	Anodonta Lewisii Lea.	
49	v	33	vi	49	ovata Lea.	
49	v	34	vi	49	decora Lea.	
50	v	35	vi	50	Perussaciana Lea.	
50	v	36	vi	50	imbecillis Say.	
50	v	37	vi	50	edentula Lea.	
50	v	38	vi	50	undulata Say.	
50	v	39	vi	50	<b>Unio subangulatus</b> Lea.	

[The localities of the specimens from which the dissections are made are given also.—W. G. B.]

51			vi	51	<b>Lea.</b> —New Unionidae of the United States.	
51	vi	34	vi	51	<b>Unio Abbevillensis</b> Lea.	Abbeville Dis., S. C.
52	vi	35	vi	52	Jamesianus Lea.	Jackson Miss.
53	vi	36	vi	53	subgibbosus Lea.	Oostanula and Etowa rivers, Ga.
54	vii	37	vi	54	Elliottii Lea.	Othcaloga cr., Ga.
56	viii	38	vi	56	gracillior Lea.	Buckhead creek, To- besaufke cr., Ga.
57	viii	39	vi	57	pullatus Lea.	Columbus, Ga.
58	viii	40	vi	58	favosus Lea.	Othcaloga cr., Ga.

Journ. A. N. Sc. Vol. iv, 1858.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
59	ix	41	vi	59	<b>Unio rutilans</b> <i>Lea.</i>	Othcalooga cr. Ga., and Columbus.
60	ix	42	vi	60	<b>errans</b> <i>Lea.</i>	Tobesaufke cr., Ga.
61	ix	43	vi	61	<b>vicinus</b> <i>Lea.</i>	Swift creek, Ga.
62	x	44	vi	62	<b>subellipsalis</b> <i>Lea.</i>	Columbus, Ga.
63	x	45	vi	63	<b>geminus</b> <i>Lea.</i>	Buckhead creek, Ga.
64	x	46	vi	64	<b>rostriformis</b> <i>Lea.</i>	Swift creek, Ga.
65	xi	47	vi	65	<b>Blandianus</b> <i>Lea.</i>	Othcalooga cr., Ga.
66	xii	48	vi	66	<b>concoetator</b> <i>Lea.</i>	Columbus, Ga.
67	xii	49	vi	67	<b>extensus</b> <i>Lea.</i>	Dry creek, Ga.
69	xii	50	vi	69	<b>pyriformis</b> <i>Lea.</i>	Columbus, Ga.
70	xiii	51	vi	70	<b>rubellinus</b> <i>Lea.</i>	Othcalooga cr. Ga., and Ala. [and Ala.
71	xiii	52	vi	71	<b>excavatus</b> <i>Lea.</i>	Othcalooga cr. Ga.,
72	xiii	53	vi	72	<b>umbrans</b> <i>Lea.</i>	Othcalooga cr. Ga.
74	xiv	54	vi	74	<b>Othcaloogensis</b> <i>Lea.</i>	Othcalooga cr. Ga., and Ala.
75	xiv	55	vi	75	<b>Columbensis</b> <i>Lea.</i>	Columbus, Ga.
76	xiv	56	vi	76	<b>apicinus</b> <i>Lea.</i>	Othcalooga cr., Ga.
77	xv	57	vi	77	<b>intercedens</b> <i>Lea.</i>	Columbus, Ga.
78	xv	58	vi	78	<b>pinguis</b> <i>Lea.</i>	St. Peter's r., U. Miss.
79	xv	59	vi	79	<b>fallax</b> <i>Lea.</i>	Columbus, Ga., Fr. Broad riv., Tenn.
80	xvi	60	vi	80	<b>virens</b> <i>Lea.</i>	Georgia.
81	xvi	61	vi	81	<b>Savannahensis</b> <i>Lea.</i>	Ga., Santee can. S. C., Sugar creek, N. C.,
82	xvi	62	vi	82	<b>sublatus</b> <i>Lea.</i>	Uchee Bar, Ga.
83	xvii	63	vi	83	<b>tenebricus</b> <i>Lea.</i>	Etowah river, Ga.
84	xvii	64	vi	84	<b>obnubilus</b> <i>Lea.</i>	Buckhead cr., Ga.
85	xvii	65	vi	85	<b>rufus</b> <i>Lea.</i>	Etowah river, Ga.
86	xviii	66	vi	86	<b>opacus</b> <i>Lea.</i>	Buckhead cr., Ga.
87	xviii	67	vi	87	<b>viridicatus</b> <i>Lea.</i>	Buckhead cr., Ga.
88	xviii	68	vi	88	<b>fumatus</b> <i>Lea.</i>	Columbus, Ga., Hos- paliga cr., Ala.
89	xix	69	vi	89	<b>seguatus</b> <i>Lea.</i>	Buckhead cr., Ga.
90	xix	70	vi	90	<b>subflavus</b> <i>Lea.</i>	Walnut creek, Ga.
91	xix	71	vi	91	<b>similis</b> <i>Lea.</i>	Buckhead cr., Ga.
92	xx	72	vi	92	<b>aquilus</b> <i>Lea.</i>	Flint and Chatta- hoochee rive., Ga.
93	xx	73	vi	93	<b>Maconensis</b> <i>Lea.</i>	Flint river, Ga.
94	xx	74	vi	94	<b>naviculoides</b> <i>Lea.</i>	Buckhead cr. and Macon, Ga.

Journ. A. N. Sc. Vol. iv, 1856.			Obs.	Name.	Locality.
Pa.	Pl.	Fig.	V. Pa.		
47	v	11	vi	47	<b>Unio rectus</b> Lam.
47	v	12	vi	47	phaseolus Hldr.
47	v	13	vi	47	occidens Lea.
47	v	14	vi	47	Novi-Eboraci Lea.
47	v	15	vi	47	ovatus Say.
47	v	16	vi	47	Woodwardianus Lea.
47	v	17	vi	47	multiradiatus Lea.
48	v	18	vi	47	ligamentinus Lam.
48	v	19	vi	48	triangularis Barnes.
48	v	20	vi	48	radiatus Lam.
48	v	21	vi	48	perplexus Lea.
48	v	22	vi	48	undulatus Barnes.
48	v	23	vi	48	pressus Lea.
48	v	24	vi	48	lævissimus Lea.
48	v	25	vi	48	alatus Say.
48	v	26	vi	48	<b>Margaritana rugosa</b> Lea.
49	v	27	vi	49	marginata Lea.
49	v	28	vi	49	triangulata Lea.
49	v	29	vi	49	complanata Lea.
49	v	30	vi	49	deltoides Lea.
49	v	31	vi	49	Hildrethiana Lea.
49	v	32	vi	49	<b>Anodonta Lewisii</b> Lea.
49	v	33	vi	49	ovata Lea.
49	v	34	vi	49	decora Lea.
50	v	35	vi	50	Ferussaciana Lea.
50	v	36	vi	50	imbecilis Say.
50	v	37	vi	50	edentula Lea.
50	v	38	vi	50	undulata Say.
50	v	39	vi	50	<b>Unio subangulatus</b> Lea.

[The localities of the specimens from which the dissections are made are given also.—W. G. B.]

51			vi	51	<b>Lea.</b> —New Unionids of the United States.
51	vi	34	vi	51	<b>Unio Abbevillensis</b> Lea. Abbeville Dis., S. C.
52	vi	35	vi	52	Jamesianus Lea. Jackson, Miss.
53	vi	36	vi	53	subgibbosus Lea. Oostanaula and Etowa rivers, Ga.
54	vii	37	vi	54	<b>Elliottii</b> Lea. Othcalooga cr. Ga.
56	viii	38	vi	56	<b>gracillior</b> Lea. Buckhead creek, Tobaccoaufke cr., Ga.
57	viii	39	vi	57	<b>pullatus</b> Lea. Columbus, Ga.
58	viii	40	vi	58	<b>favosus</b> Lea. Othcalooga cr., Ga.

Journ. A. N. Sc. Vol. iv, 1858.			Obs.		Name.	Locality.
Pa.	Pl.	Fig.	V.	Pa.		
59	ix	41	vi	59	<b>Unio rutilans</b> <i>Lea.</i>	Othcalooga cr. Ga., and Columbus.
60	ix	42	vi	60	<b>errans</b> <i>Lea.</i>	Tobesaufke cr., Ga.
61	ix	43	vi	61	<b>vicinus</b> <i>Lea.</i>	Swift creek, Ga.
62	x	44	vi	62	<b>subellipsis</b> <i>Lea.</i>	Columbus, Ga.
63	x	45	vi	63	<b>geminus</b> <i>Lea.</i>	Buckhead creek, Ga.
64	x	46	vi	64	<b>rostriformis</b> <i>Lea.</i>	Swift creek, Ga.
65	xi	47	vi	65	<b>Blandianus</b> <i>Lea.</i>	Othcalooga cr., Ga.
66	xii	48	vi	66	<b>concestator</b> <i>Lea.</i>	Columbus, Ga.
67	xii	49	vi	67	<b>extensus</b> <i>Lea.</i>	Dry creek, Ga.
69	xii	50	vi	69	<b>pyriformis</b> <i>Lea.</i>	Columbus, Ga.
70	xiii	51	vi	70	<b>rubellinus</b> <i>Lea.</i>	Othcalooga cr. Ga., and Ala. [and Ala.]
71	xiii	52	vi	71	<b>excavatus</b> <i>Lea.</i>	Othcalooga cr. Ga.,
72	xiii	53	vi	72	<b>umbrans</b> <i>Lea.</i>	Othcalooga cr. Ga.
74	xiv	54	vi	74	<b>Othcaloogensis</b> <i>Lea.</i>	Othcalooga cr. Ga., and Ala.
75	xiv	55	vi	75	<b>Columbensis</b> <i>Lea.</i>	Columbus, Ga.
76	xiv	56	vi	76	<b>apicinus</b> <i>Lea.</i>	Othcalooga cr., Ga.
77	xv	57	vi	77	<b>intercedens</b> <i>Lea.</i>	Columbus, Ga.
78	xv	58	vi	78	<b>pinguis</b> <i>Lea.</i>	St. Peter's r., U. Miss.
79	xv	59	vi	79	<b>fallax</b> <i>Lea.</i>	Columbus, Ga., Fr. Broad riv., Tenn.
80	xvi	60	vi	80	<b>virens</b> <i>Lea.</i>	Georgia.
81	xvi	61	vi	81	<b>Savannahensis</b> <i>Lea.</i>	Ga., Santeecan. S. C., Sugar creek, N. C.,
82	xvi	62	vi	82	<b>sublatus</b> <i>Lea.</i>	Uchee Bar, Ga.
83	xvii	63	vi	83	<b>tenebrions</b> <i>Lea.</i>	Etowah river, Ga.
84	xvii	64	vi	84	<b>obnubilus</b> <i>Lea.</i>	Buckhead cr., Ga.
85	xvii	65	vi	85	<b>rufus</b> <i>Lea.</i>	Etowah river, Ga.
86	xviii	66	vi	86	<b>opacus</b> <i>Lea.</i>	Buckhead cr., Ga.
87	xviii	67	vi	87	<b>viridicatus</b> <i>Lea.</i>	Buckhead cr., Ga.
88	xviii	68	vi	88	<b>fumatus</b> <i>Lea.</i>	Columbus, Ga., Hos- paliga cr., Ala.
89	xix	69	vi	89	<b>sequatus</b> <i>Lea.</i>	Buckhead cr., Ga.
90	xix	70	vi	90	<b>subflavus</b> <i>Lea.</i>	Walnut creek, Ga.
91	xix	71	vi	91	<b>similis</b> <i>Lea.</i>	Buckhead cr., Ga.
92	xx	72	vi	92	<b>aquilus</b> <i>Lea.</i>	Flint and Chatta- hoochee rivs., Ga.
93	xx	73	vi	93	<b>Maconensis</b> <i>Lea.</i>	Flint river, Ga.
94	xx	74	vi	94	<b>naviculoides</b> <i>Lea.</i>	Buckhead cr. and Macon, Ga.



Journ. A. N. Sc. Vol. iv, 1859.			Obs.		
Pa.	Pl.	Fig.	V. Pa.	Name.	Locality.
Sept. 1859.					
191			vii 9	<b>Lea.</b> —The same continued. (Journ. A. N. Sc. Philada., vol. iv, pt. 2. Sept. 1859. Obs. vol. vii, pt. 1.)	
191	xxi	75	vii 9	<b>Unio bulbosus</b> <i>Lea.</i>	Flint river, Ga.
192	xxi	76	vii 10	<b>Plantii</b> <i>Lea.</i>	Flint river, Ga.
194	xxi	77	vii 12	<b>sudus</b> <i>Lea.</i>	Columbus & Macon,
195	xxii	78	vii 13	<b>tetricus</b> <i>Lea.</i>	Flint river, Ga. [Ga.
196	xxii	79	vii 14	<b>subniger</b> <i>Lea.</i>	Flint river, Ga.
197	xxii	80	vii 15	<b>obfuscus</b> <i>Lea.</i>	Flint river, Ga.
198	xxiii	81	vii 16	<b>purpurellus</b> <i>Lea.</i>	Flint river, Ga.
199	{ xxiii xxix }	{ 82 103 }	vii 17	<b>Woodwardianus</b> <i>Lea.</i>	Cass co., Ga.
200	xxiii	83	vii 18	<b>denigratus</b> <i>Lea.</i>	Columbus, Ga.
201	xxiii	84	vii 19	<b>radians</b> <i>Lea.</i>	Othcaloga cr., Ga.
203	xxiii	85	vii 21	<b>penicillatus</b> <i>Lea.</i>	Chattahoochee and Flint rivers.
204	xxiv	86	vii 22	<b>modicus</b> <i>Lea.</i>	Chattahoocheer. Ga.
205	xxiv	87	vii 23	<b>Boswellensis</b> <i>Lea.</i>	Chattahoocheer. Ga.
206	xxiv	88 88 <sup>a</sup>	vii 24	<b>Prattii</b> <i>Lea.</i>	Chattahoocheer. Ga.
208	xxv	89	vii 26	<b>spissus</b> <i>Lea.</i>	Satilla river, Ga.
209	xxv	90	vii 27	<b>Chattanoogaensis</b> <i>Lea.</i>	Chattanooga, Ten., Etowah, Coosawat- te, Oostenaula riv.
210	xxv	91	vii 28	<b>Downiei</b> <i>Lea.</i>	Buck Lake, Ga.
211	xxvi	92	vii 29	<b>Haslehurstianus</b> <i>Lea.</i>	Satilla river, Ga.
212	xxvi	93	vii 30	<b>Neisleri</b> <i>Lea.</i>	Flint r., Macon, Ga.
214	xxvi	94	vii 32	<b>Postellii</b> <i>Lea.</i>	Randall's and Car- ter's creek, Ga.
215	xxvii	95	vii 33	<b>Burkensis</b> <i>Lea.</i>	Buckhead cr., Ga.
216	xxvii	96	vii 34	<b>Satillaensis.</b>	Satilla river, Ga.
217	xxvii	97	vii 35	<b>corvus</b> <i>Lea.</i>	Buckhead creek and Ogeechee riv., Ga.
218	xxviii	98	vii 36	<b>compactus</b> <i>Lea.</i>	Etowah and Conna- sauga rivs., Ga.
219	xxviii	100	vii 37	<b>fibuloides</b> <i>Lea.</i>	Conasauga r., Ga.
220	xxix	101 101 <sup>a</sup>	vii 38	<b>phaseolus</b> <i>Hldr.</i>	Anatomy.
221	xxix	102 102 <sup>a</sup>	vii 39	<b>parvus</b> <i>Barnes.</i>	Anatomy.
222	xxx	105	vii 40	<b>multiplicatus</b> <i>Lea.</i> <i>U. heros</i> Say? <i>U. undulatus</i> Say.	Anatomy.
223	xxx	106	vii 41	<b>stramineus</b> <i>Conr.</i>	Anatomy.

Journ. A. N. Sc. Vol. iv, 1859.			Obs.			
Pa.	Pl.	Fig.	V.	Pa.	Name.	Locality.
224	xxx	107	vii	42	<b>Unio ventricosus</b> <i>Barnes</i> .	Anatomy.
224	xxix	104	vii	42	<b>Margaritana margaritifera</b> <i>Linn.</i>	Anatomy.
					<i>Mya margaritifera</i> <i>Linn.</i>	
					<i>Margaritana fluviatilis</i> <i>Sch.</i>	
					<i>Unio elongata</i> <i>Lam.</i>	
					<i>Alasm. falcata</i> <i>Gould.</i>	
226	xxxi	108	vii	44	<b>Elliottii</b> <i>Lea.</i>	Chattahoochee r. Ga.
227	xxxi	110	vii	45	<b>Etawahensis</b> <i>Lea.</i>	Tenn., Etowaha, Ga.
228	xxxii	111	vii	46	<b>triangulata</b> <i>Lea.</i>	Ga. and S. C.
229	xxxii	113	vii	47	<b>Connasaugaensis</b> <i>Lea.</i>	Connasauga r. Ga., Tennessee.
230	xxviii	99	vii	48	<b>Anodonta Dariensis</b> <i>Lea.</i>	Hopeton, &c. Ga.
231	xxxi	109	vii	49	<b>Gesnerii</b> <i>Lea.</i>	Uphaupsee cr., Ala.
232	xxxii	112	vii	50	<b>Hallenbeckii</b> <i>Lea.</i>	Uphaupsee cr., Ga.

**Haldeman.**—Description of *Unio abacoides*, a new species:  
by S. S. HALDEMAN. (From American Journal of Science,  
(n. s.) vol. ii, p. 274. Sept. 1846.)

Page.

274 **Unio abacoides** *Haldeman.* Eastern Tennessee.

**Anthony.**—Descriptions of Shells on the cover of Nos. 3 and  
4 of Haldeman's *Limnæidæ*. (Vide pp. 67, 68.)

**Desor.**—(From Proc. Bost. Soc. of Nat. Hist., iii, 75. Nov.  
1848.)

[In quoting from the Boston Proceedings the following were overlooked.  
—W. G. B.]

Vol. Pa.

iii	75	Remarks on <i>Salpa</i> .	
iii	75	<b>Salpa Caboti</b> <i>Desor.</i>	Nantucket.
iii	76	<b>Pelagia quinquecirrha</b> <i>Desor.</i>	Nantucket.

**Carpenter.**—Catalogue of the collection of Mazatlan Shells in the British Museum, collected by Frederick Reigen, described by PHILIP P. CARPENTER. London, 1857.<sup>1</sup>

July, 1855.

CLASS BRYOZOA.

[Omitted, according to the general plan of my work, vid. Preface.—W. G. B.]

CLASS TUNICATA.

(None.)

CLASS PALLIOBRANCHIATA.

Page.

- 7 *Discina Cumingii* Brod.  
*Orbicula Cumingii* Brod.

CLASS LAMELLIBRANCHIATA.

Page.

- 8 *Pholadidea melanura* Sowb.  
(Pholas.)  
9 *curta?* Sowb. (Pholas.)  
9 *Parapholas calva* Gray.  
*Pholas calva* Sowb.  
12 *acuminata* Sowb.  
*Pholas acuminata*.  
Aug. 1855.  
13 *Martesia intercalata* Carp.  
13 ——— ?  
14 *Gastrochena truncata* Sow.  
15 *ovata* Sowb.  
16 *Saxicava arctica* Linn.  
*? S. sordida* Sowb.  
*? S. Cordieri* Gould.  
*S. solida*.  
*S. distorta* Say.  
*S. pholadis*.  
17 *Petricola robusta* Sowb.  
*? P. bulbosa* Gould.  
19 *ventricosa* Desh.  
*P. denticulata* Sowb.  
19 ——— (sp. ined.)

Page.

- 20 *Rupellaria lingua-felis* Carp.  
20 *exarata* Carp.  
21 ——— (sp. ined.)  
21 *Corbula bicarinata* Sowb.  
22 *biradiata* Sowb.  
22 *pustulosa* Carp.  
23 *? ovulata* Sowb.  
23 ——— (sp. ined.)  
24 *Sphaenia fragilis* Carp.  
25 *Tyleria fragilis* Adams.  
26 *Lyonsia picta* Sowb.  
*? L. cuneata* Orb.  
*? Anatina cuneata* Gray.  
27 *Solecourtus affinis* C. B. Ad.  
27 *politus* Carp.  
27 *violascens* Carp.  
(S. W. Mexico.)  
28 ——— (sp. ined.)  
28 *Semele proxima* C. B. Ad.  
28 *? venusta* A. Adams.  
*Amphidema venusta* Rve.  
29 *Cumingia lamellosa* Sowb.  
*Lavignon lamellosa* Orb.

<sup>1</sup> This is the date of the title. Each signature bears a date, commencing with July, 1855.

## [Carpenter, Mazatlan Shells.]

Page.		Page.	
30	<b>Cumingia trigonularis</b> Sowb. <i>Lavignon triangularis</i> Gr.	42	? <b>Iphigenia lævigata.</b> <i>Capsa lævigata.</i>
30	<b>Californica</b> Conrad.	43	<b>Donax carinatus</b> Hanley.
31	—— (sp. ined.) [Desh.	43	<b>culminatus</b> Carp.
31	<b>Sanguinolaria purpurea</b> ? <i>Tellina minata</i> Gould.	44	<b>transversus</b> Sowb.
32	<b>Tellina rufescens</b> Ch. <i>T. operculata</i> Gmel. <i>cruenta</i> Sol. <i>opercularis</i> Sowb.	44	<b>assimilis</b> Hanley.
32	<b>Broderipii</b> Desh.	44	<b>punctato-striatus</b> Hanley. <i>D. radiatus</i> Val. ? <i>flexuosus</i> Gould.
33	<b>Mazatlanica</b> Desh.	46	<b>punctato-striatus</b> var. <i>œlatus.</i>
33	<b>Dombeyi</b> Hanley.	47	<b>Conradi</b> Desh. <i>D. contusus</i> Rve. <i>Californicus</i> Conrad. <i>culter</i> Hanley.
34	<b>felix</b> Hanley.	50	<b>navicula</b> Hanley.
34	<b>straminea</b> Desh.	50	<b>Mactra exoleta</b> Gr.
34	<b>donacilla</b> Carp.	51	( <i>spissula</i> ) <b>fragilis</b> Chemn. <i>M. ovalina</i> Lam. <i>Brasiliana</i> Lam. <i>oblonga</i> Say.
35	<b>punicea</b> Born. <i>Donax Martinicensis</i> Lam. <i>T. alternata</i> Sowb. <i>angulosa</i> Gmel. <i>simulans</i> C. B. Adams. ? <i>striata</i> Chemn.	51	<b>angulata</b> Gr. ( <i>Mulinia.</i> )
36	? <b>Cumingii</b> Hanley.	52	<b>Gnathodon trigona</b> Pet. ( <i>Rangia.</i> ) [Carp.
36	? <b>eburnea</b> Hanley.	54	? <b>Clementia gracillima</b>
36	? <b>regularis</b> Carp.	54	<b>Trigona radiata</b> Sowb. <i>Cytherea radiata.</i> <i>Venus Solangensis.</i> <i>T. Byronensis</i> Gr. <i>Cytherea corbicula</i> Mke. ? <i>semifulva</i> Mke. ? <i>gracilior</i> Sowb. ? <i>Hindst</i> Hanley. ? <i>intermedia</i> Sow.
Sept. 1855.		57	<b>humilis</b> Carp.
37	<b>lamellata</b> Carp.	58	<b>argentina</b> Sowb. ( <i>Cytherea.</i> )
37	? ? <b>puella</b> C. B. Adams.	58	? ? <b>orassatelloides</b> Conr. <i>Cytherea crassatelloides</i> Hanley.
37	? ? <b>delicatula</b> Desh.	59	<b>planulata</b> Br. and Sowb. <i>Cytherea planulata.</i> <i>Venus planulata.</i> <i>Cytherea undulata</i> Sowb.
38	<b>brevirostris</b> Desh.		
38	? <b>denticulata</b> Desh.		
38	—— (sp. ined.)		
38	—— (sp. ined.)		
39	<b>Burneti</b> Br. and Sowb. <i>Lucina cristata</i> Reol.		
39	<b>Strigilla</b> ( <i>Tellina</i> ) <b>carnaria</b> L. <i>Cardium carneosum</i> D. Cos. <i>Lucina carnaria</i> Lam. ? <i>S. miniata</i> Gould.		
41	? <b>lenticula</b> Phil. <i>Tellina lenticula</i> Phil.		
41	—— (sp. ined.)		
42	<b>Iphigenia altior</b> Sowb. ( <i>Capsa.</i> )		

## [Carpenter, Mazatlan Shells.]

Page.		Page.	
	<i>Donax Lessoni</i> Desh.		<i>Cytherea brevispinosa</i> Sowb.
	? <i>Cytherea mactroides</i> Lam.	69	<i>Dione circinata</i> Born.
60	<b>Dosinia?</b> <i>ponderosa</i> Gr.		<i>Venus circinata</i> Born.
	<i>Artemis ponderosa</i> Gr.		<i>Guineensis</i> Gmel.
	<i>Cytherea gigantea</i> Phil.		<i>Cytherea Guineensis</i> Lam.
	<i>Venus cycloides</i> .		<i>alternata</i> Br.
61	<b>Annæ</b> Carp.		<i>circinata</i> Sowb.
61	<b>Dunkeri</b> Phil.	69	<b>concinna</b> Sowb.
	<i>Cytherea Dunkeri</i> Phil.		<i>Cytherea concinna</i> .
	<i>Artemis Dunkeri</i> Rve.	70	<b>Cytherea petechialis</b> Lam.
	<i>simplex</i> Hanley.		<i>Meretrix petechialis</i> Knc. M.
	<i>D. simplex</i> Desh.	71	<b>Venus (Chione) gnidia</b> Br.
	<i>Cytherea Pacifica</i> Trosch.	72	<b>amathusia</b> Phil. [and Sowb.
62	<b>Cyclina subquadrata</b> Hanl.		<i>Chione gnidia</i> (var.) Desh.
	<i>Artemis subquadrata</i> .		? <i>V. cancellata</i> Mke.
	<i>Lucinopsis subquadrata</i> .		? <i>succincta</i> Val.
	<i>Arthemis saccata</i> Gould.	Oct. 1855.	
	<i>Cyclina saccata</i> Desh.	73	—— (sp. ined.)
63	<b>Dione aurantia</b> Hanley.	74	(? <i>Chione</i> ) <i>distans</i> Phil.
	<i>Cytherea aurantia</i> Hanley.	74	( <i>Chione</i> ) <i>oreniifera</i> Sowb.
	<i>Chione aurantia</i> Gr.		? <i>Venus elevata</i> Say.
	<i>Cytherea aurantiaca</i> Sowb.		? <i>radiata</i> Ch.
64	<b>chionsea</b> Mke.		<i>portesiana</i> Orb.
	<i>Cytherea chionsea</i> Mke.	75	? <i>undatella</i> Sowb.
	<i>squalida</i> Sowb.	75	<b>Columbiensis</b> Sowb.
	<i>Chione squalida</i> Gr.	76	—— (sp. ined.)
	<i>Venus squalida</i> .	76	<b>Tapes histrionica</b> Br. & Sowb.
	<i>D. squalida</i> Desh.		<i>Venus histrionica</i> .
	<i>Cytherea biradiata</i> Gr.		<i>Chione histrionica</i> Desh.
	<i>chione</i> (para.) Sb.	77	<b>grata</b> Say.
	? <i>elegans</i> Koch.		<i>Venus grata</i> Say.
66	<b>rosea</b> Br. and Sowb.		<i>Chione grata</i> Desh.
	<i>Cytherea rosea</i> .		<i>Venus tricolor</i> Sowb.
	<i>D. rosea</i> Desh.		<i>discors</i> Sowb.
	<i>Cytherea lepida</i> Chenu.		<i>Tapes discors</i> Sowb.
67	<b>lupinaria</b> Less.		<i>Chione discors</i> Gr.
	<i>Cytherea lupinaria</i> Less.		? <i>Venus Entobapta</i> Jonas.
	<i>Venus lupinaria</i> .		? <i>neglecta</i> Phil.
	<i>Chione lupinaria</i> Gr.	78	<b>squamosa</b> Carp. [Sowb.
	<i>Cytherea dione</i> (var.) Brod.	79	<b>Anomalocardia subrugosa</b>
	<i>semilamellosa</i> Gd.		<i>Venus subrugosa</i> Sowb.
68	? <b>vulnerata</b> Brod.		<i>Cytherea subulcata</i> Mke.
	<i>Cytherea vulnerata</i> .	80	<b>subimbricata</b> Sowb.
69	? <b>brevispinosa</b> Sowb.		<i>Venus subimbricata</i> Sowb.

[Carpenter, Mazatlan Shells.]		
Page.		Page.
81	<i>Circe margarita</i> Carp.	101 ? <i>Lucina eburnea</i> Rve.
82	<i>subtrigona</i> Carp.	101 ——— (sp. ined.)
83	<i>Gouldia pacifica</i> C. B. Ad.	101 ? <i>Fimbria</i> ——— (sp. ined.)
83	<i>varians</i> Carp.	102 <i>Diplodonta semiaspera</i> ?
84	<i>Cardita Californica</i> Desh.	Phil.
	<i>C. affinis</i> Mke.	? <i>Lucina orbella</i> Gould.
		? <i>semireticulata</i> .
		? <i>caelata</i> Rve.
Nov. 1855.		
85	<i>Venericardia</i> ——— (sp. ined.)	103 ? <i>semiaspera</i> .
86	<i>Trapezium</i> ——— (sp. ined.)	var. <i>discrepans</i> .
87	<i>Chama frondosa</i> Br.	103 <i>obliqua</i> Phil.
	var. <i>Mexicana</i> .	104 ? <i>serricata</i> Rve.
89	var. <i>fornicata</i> .	<i>Lucina serricata</i> Rve.
90	<i>spinosa</i> Br.	<i>Cyenoidea serricata</i> Carp.
90	? <i>exogyra</i> Conrad.	105 <i>Kellia suborbicularis</i> Mont.
91	<i>Cardium (Lævicardium)</i>	<i>Mya suborbicularis</i> Mont.
	<i>elatatum</i> Sowb.	<i>Tellina suborbicularis</i> Turt.
91	<i>procerum</i> Sowb.	<i>Petricola suborbicularis</i> Gr.
93	? <i>senticosum</i> Sowb.	<i>Tellmya suborbicularis</i> Br.
	<i>C. rastrum</i> Rve.	<i>tenuis</i> Brown.
	? <i>C. muricatum</i> Mke.	<i>lactea</i> Brown.
93	——— (sp. ined. a.)	<i>Erycina Geoffroyii</i> Payr.
94	——— (sp. ined. b.)	<i>Amphidesma physoides</i> Lam.
94	——— (sp. ined. c.)	<i>Bornia inflata</i> Phil.
94	——— (sp. ined. d.)	108 <i>Lasea</i> ? <i>rubra</i> Mont.
94	——— (sp. ined. e.)	<i>Cardium rubrum</i> Mont.
94	——— (sp. ined. f.)	<i>Tellina rubra</i> Turt.
94	<i>alabastrum</i> Carp.	<i>Kellia rubra</i> Turt.
95	<i>graniferum</i> Br. and Sowb.	<i>Poronia rubra</i> Récl.
95	——— (sp. ined. g.)	<i>Petricola rubra</i> Gray.
96	<i>Lucina (Codakia) tigrina</i>	<i>Bornia semilunum</i> Phil.
	<i>Venustigrina</i> Linn. [Linn.]	<i>Erycina violacea</i> Scacchi.
	<i>Cytherea tigrina</i> Lam.	<i>Cycladina Adansonii</i> Cant.
97	?? <i>punctata</i> Linn.	<i>Cyclas australis</i> Lam.
	<i>Venus punctata</i> Linn.	<i>Amphidesma nucleola</i> Lam.
	<i>Cytherea punctata</i> Lam.	<i>Autonotus rubra</i> Leach.
97	? <i>annulata</i> Rve.	
98	? <i>muricata</i> Chemn.	Dec. 1855.
98	<i>exoavata</i> Carp.	109 <i>trigonalis</i> Carp.
98	——— (sp. ined.)	109 ? <i>oblonga</i> Carp.
98	<i>pectinata</i> Carp.	110 <i>Lepton Clementinum</i> Carp.
99	<i>cancellaris</i> Phil.	111 <i>Dionæum</i> Carp.
99	<i>Mazatlanica</i> Carp.	111 <i>umbonatum</i> Carp.
100	<i>prolongata</i> Carp.	111 (placunoideum C. W. Ind.)
101	——— (sp. ined.)	112 <i>Pythina sublævis</i> Carp.

[Carpenter, Mazatlan Shells.]

- | Page.      |  | Page.      |                                   |
|------------|--|------------|-----------------------------------|
| 113        | <b>Montacuta elliptica</b> Carp.       | 129        | <b>Lithophagus aristatus</b>      |
| 113        | <b>subquadrata</b> Carp.               |            | (var.) <b>gracilior.</b>          |
| 114        | —— (sp. ined.)                         | 129        | var. <b>tumidior.</b>             |
| 114        | <b>Cyrena olivacea</b> Carp. [Phil.    | 129        | <b>cinnamomeus</b> Chemn.         |
|            | <i>C. Fontainei</i> Desh. neo          |            | <i>Mytilus cinnamomeus</i> Ch.    |
| 115        | <b>Mexicana</b> Br. and Sowb.          |            | <i>Modiola cinnamomea</i> Lam.    |
|            | <i>C. varians</i> Carp.                |            | <i>Lithodomus cinnamomeus.</i>    |
|            | <i>altilis</i> Gould.                  |            | <i>Lithophagus cinnamomeus</i>    |
|            | <i>fragilis</i> Desh.                  |            | Dunk.                             |
|            | ? <i>Floridana</i> Conrad.             | 130        | <b>Leiosolenus spatiosus</b> Car. |
| 117        | <b>Anodonta ciconia</b> Gould.         | 131        | —— (sp. ined.)                    |
|            | <i>A. sinuata</i> Swainson.            | 132        | <b>Arca grandis</b> Br. and Sowb. |
| 118        | <b>Mytilus palliopunctatus</b>         | Feb. 1856. |                                   |
| 118        | <b>multiformis</b> Dunk. [Dunk.        | 134        | <b>multicostata</b> Sowb.         |
| 120        | <b>Septifer Cumingii</b> Récluz.       | 134        | ? <b>labiata</b> Sowb.            |
| 121        | <b>Modiola capax</b> Conrad.           | 134        | <b>bifrons</b> Carp.              |
|            | <i>M. spinifera</i> Carp.              | 135        | <b>tuberculosa</b> Sowb.          |
|            | ? <i>Mytilus spatula</i> Mke?          | 136        | <b>reversa</b> Gray.              |
| Jan. 1856. |  |            | <i>A. hemicardium</i> Koch.       |
| 121        | <b>Brasilensis</b> Ch.                 | 136        | <b>brevifrons</b> Sowb.           |
|            | <i>Mytilus</i> mod. <i>Brasilensis</i> | 137        | <b>emarginata</b> Sowb.           |
|            | <i>bicolor</i> Brug. [Ch.              | 137        | —— (sp. ined.)                    |
|            | <i>Guyanensis</i> Desh.                | 138        | <b>Byssosarca pacifica</b> Sowb.  |
|            | <i>M. Guyanensis</i> Desh.             |            | <i>Arca pacifica</i> Rve. *       |
|            | <i>semifusca</i> Sowb.                 | 139        | <b>mutabilis</b> Sowb.            |
| 122        | var. <b>mutabilis.</b>                 |            | <i>Arca mutabilis</i> Rve.        |
| 123        | <b>Crenella coarctata</b> Dunk.        | 140        | <b>fusca</b> Brug.                |
| 124        | <b>Lithophagus attenuatus</b>          |            | <i>Arca fusca</i> Brug.           |
|            | Desh.                                  |            | <i>barbata</i> (var.) Gmel.       |
|            | <i>Modiola attenuata</i> Desh.         |            | <i>bicolorata</i> Chemn.          |
|            | <i>Lithodomus caudigerus</i>           | 140        | <b>vespertilio</b> Carp.          |
|            | (var.) Sowb.                           | 141        | <b>illota</b> Sowb.               |
| 124        | <b>calyculatus</b> Carp.               |            | <i>Arca illota</i> Rve.           |
| 125        | <b>plumula</b> Hanley.                 | 141        | <b>gradata</b> Br. and Sowb.      |
|            | <i>Modiola plumula</i> Hanley.         |            | <i>Arca gradata.</i>              |
| 126        | <b>aristatus</b> Sol.                  |            | <i>squamosa</i> Lam.              |
|            | <i>Mytilus aristatus</i> Dillw.        |            | <i>Domingensis</i> Lam.           |
|            | <i>Lithodomus aristatus</i> Forb.      |            | <i>clathrata</i> DeFr.            |
|            | and Hanley.                            | 143        | <b>solda</b> Sowb.                |
|            | <i>Myt. lith. striatus</i> J. Sowb.    |            | <i>Arca solda</i> Rve.            |
|            | <i>Modiola caudigera</i> Lam.          | 144        | <b>Pectunculus inaequalis</b> Sö. |
|            | <i>Mytilus Ropan</i> Desh.             |            | <i>P. pectiniformis</i> Wood.     |
|            | <i>Lithodomus caudigerus</i> Sow.      |            | <i>assimilis</i> Sowb.            |
|            | <i>lithophagus</i> Fl.                 | 144        | ? <b>multicostatus</b> Sowb.      |

[Carpenter, Mazatlan Shells.]

Page.		Page.	
145	<i>Nucula</i> ? <i>exigua</i> Sowb.	March, 1854.	
145	<i>Leda</i> ? <i>Elenensis</i> Sowb. <i>Nucula Elenensis</i> Sowb.	157	<i>Ostrea iridescens</i> Gray. <i>O. (sp. ined. b.)</i> C. B. Ad. <i>O. rufa</i> (pars. 1) Gould.
146	<i>Pinna maura</i> Sowb.	159	<i>Virginioa</i> Gmel. <i>O. rostrata</i> , &c. Ch. <i>elongata</i> Sol. <i>crassa</i> Ch.
147	<i>lanceolata</i> Sowb.		<i>Gryphæa angulata</i> Lam.
147	? <i>rugosa</i> Sowb.		<i>O. Canadensis</i> Lam. <i>longirostris</i> Lam. ( <i>sp. ined. d.</i> ) C. B. Ad. ? <i>rufa</i> Gould (pars.)
148	<i>Avicula sterna</i> Gould. <i>A. Atlantica</i> Mke.	161	<i>Columbiensis</i> Hanley.
149	<i>Margaritiphora Mazatlanica</i> Hanley. <i>Meleagrina Mazatlanica</i> Hanley.	161	<i>conchaphila</i> Carp.
150	<i>Isognomon Chemnitzianum</i> d'Orb. <i>Perna Chemnitziana</i> d'Orb. <i>flexuosa</i> Sowb.	163	<i>conchaphila</i> ? (var.) pal-
151	<i>Janus</i> Carp.	164	—— (sp. ined.) [mula.
152	<i>Pecten circularis</i> Sowb.	164	<i>Placunanomia pernoides</i>
152	<i>Spondylus calcifer</i> Carp. <i>S. Lamarckii</i> Hanl., &c. ?	166	<i>foliata</i> Br. [Carp. <i>P. echinata</i> Br. <i>pectinata</i> Br.
155	—— (sp. ined.)	166	<i>claviculata</i> Carp.
155	<i>Plicatula penicillata</i> Carp. <i>P. dubia</i> (var.) Sowb.	167	<i>Anomia lampe</i> Gr.
		169	—— (sp. ined.)

CLASS GASTEROPODA.

Sub-class Opisthobranchiata.

Page.		Page.	
170	<i>Cylichna luticola</i> C. B. Ad. <i>Bulla (Cyl.) luticola</i> C. B. A. <i>Haminea luticola</i> H. & A. A.	171	<i>Tornatina carinata</i> Carp.
171	<i>Tornatina infrequens</i> <i>C. B. Adams.</i>	172	<i>Bulla Adamsi</i> Mke.
	<i>Bulla (Torn.) infrequens</i>	173	? <i>nebulosa</i> Gould.
	<i>C. B. Adams.</i>	173	? <i>Quoyii</i> Gray.
	<i>Bulla (Torn.) gracilis</i> Mke.	174	<i>exarata</i> Carp. —— (sp. ined.)
		174	<i>Haminea cymbiformis</i> Car.

Sub-class Pulmonata.

Page.		Page.	
175	<i>Glandina Albersi</i> Pfr. <i>Achatina Albersi</i> Pfr.	175	<i>Glandina turris</i> Pfr. (Ach.) <i>Acicula turris</i> H. & A. Ad. <i>Gl. Albersi</i> (var.) <i>turrita</i> C.



## [Carpenter, Mazatlan Shells.]

- | Page. |   | Page. |   |
|-------|---|-------|---|
| 176   | <b>Orthalicus zebra</b> <i>Müll.</i><br><i>Buccinum zebra</i> Müll.<br><i>Bulla zebra</i> Gmel.<br><i>Achatina zebra</i> Pfr.<br><i>O. undatus</i> Beck.<br><i>zebra</i> Beck.<br><i>Helix undatus</i> Fer.<br><i>Bulimus melanocheilus</i> Val.<br><i>Orthalicus livens</i> Beck.<br><i>Bulimus zig-zag</i> Lam.<br><i>princeps</i> Brod.<br><i>Helix princeps</i> Orb.<br><i>Orthalicus princeps</i> Beck.<br><i>Achatina pulchella</i> Spix. | 177   | <b>Orthalicus ? Mexicanus</b> <i>Lam.</i><br><i>Bulimus Mexicanus</i> Lam.<br><i>Leiostracus Mexicanus</i> H.<br><i>Helix vittata</i> Fer. [ & A. Ad. |
| 177   | <b>Ziegleri</b> <i>Pfr.</i><br><i>B. Ziegleri</i> Pfr.<br><i>Leiostracus Ziegleri</i> H. and<br>A. Adams.   | 178   | <b>Melampus olivaceus</b> <i>Carp.</i>  |
|       |   | 179   | <b>Aplexa aurantia</b> <i>Carp.</i><br><i>Physa Peruviana</i> Mke. non  |
|       |   | 180   | <b>elata</b> <i>Gould.</i> [Gr.<br><i>P. elata</i> Gould.   |
|       |   |       | April, 1856.  |
|       |   | 181   | <b>Planorbis tumens</b> <i>Carp.</i><br><i>Pl. affinis</i> <i>Carp.</i> non C. B.<br><i>tenagophilus</i> Mke. [Ad.                                    |
|       |   | 182   | <b>Siphonaria Leoanum</b> <i>Phil.</i>  |
|       |   | 183   | var. <i>palmata.</i>  |
|       |   | 184   | <b>sequilrata</b> <i>Carp.</i>  |
|       |   | 184   | —— (sp. ined.)  |

Sub-class **Prosobranchiata.**

- | Page. |   | Page. |  |
|-------|---|-------|--|
| 185   | <b>Janthina striulata.</b>  | 198   | <b>Acanthochites Arragon-</b><br><b>ites</b> <i>Carp.</i>  |
| 186   | var. <i>contorta.</i>   | 199   | <b>Patella Mexicana</b> <i>Br. and</i><br><i>Lottia gigantea.</i> [Sowb.<br><i>P. maxima.</i>  |
| 187   | <i>decollata.</i>   | 200   | <b>pediculus</b> <i>Phil.</i><br><i>P. corrugata</i> Rve.  |
| 188   | <b>Dentalium liratum</b> <i>Carp.</i>                                       | 201   | <b>discors</b> <i>Phil.</i>  |
| 188   | <i>hyalinum</i> <i>Phil.</i>  | 202   | <b>Nacella</b> —— (sp. ined.)  |
| 189   | <i>corrugatum</i> <i>Carp.</i>  | 203   | <b>Acmæa mesoleuca</b> <i>Mke.</i><br><i>A. mutabilis</i> Mke.<br><i>Patella diaphana</i> Rve.<br><i>Lottia patina</i> C. B. Ad.<br><i>P. personoides</i> (pars?) Mid.<br><i>aruginosa</i> ? Midd.<br><i>L. pintadina</i> Gld. (pars.) |
| 189   | ? <i>pretiosum</i> <i>Nutt.</i>   |       | May, 1856.   |
| 190   | <b>Lophyrus articulatus</b> <i>Sowb.</i><br><i>Chiton articulatus</i> Sowb. | 205   | <b>fascicularis</b> <i>Mke.</i><br><i>A. mutabilis</i> (pars.)<br><i>Patella opea</i> Rve.<br><i>discors</i> <i>Carp.</i>  |
| 191   | <b>albolineatus</b> <i>Br. and Sowb.</i><br><i>Chiton albolineatus.</i>     | 207   | <b>patina</b> <i>Esch.</i>   |
| 192   | <b>striatosquamosus</b> <i>Carp.</i>  |       |  |
| 193   | ? <b>Toncia Forbesi</b> <i>Carp.</i>  |       |  |
| 194   | <b>Lepidopleurus sanguineus</b><br>[Rve.<br><i>Chiton sanguineus</i> Rve.   |       |  |
| 195   | <b>olathratus</b> <i>Carp.</i>  |       |  |
| 195   | <b>bullatus</b> <i>Carp.</i>  |       |  |
| 196   | var. <i>caloiferus.</i>   |       |  |
| 196   | <b>Mac Andrei</b> <i>Carp.</i>  |       |  |
| 197   | <b>Beanii</b> <i>Carp.</i>  |       |  |
| 198   | <b>Chiton flavescens</b> <i>Carp.</i>                                       |       |  |

## [Carpenter, Mazatlan Shells.]

Page.		Page.	
	<i>A. scutum</i> Esch.		<i>Cremides Peruviana</i> H. and [A. Adams.]
	<i>P. mammillata</i> Nutt.	219	<i>Fissurella spongiosa</i> Carp.
	<i>tessellata</i> Nutt.	220	<i>Glyphis inaequalis</i> Sowb.
	<i>fenestrata</i> Nutt.		<i>Fissurella inaequalis</i> Sowb.
	<i>verruculata</i> Evc.		<i>Lucapina inaequalis</i> H. & A.
	<i>cincta</i> Evc.		<i>Fissurella pica</i> Sowb. [Ad.]
	<i>Nuttalliana</i> Evc.		<i>Lucapina pica</i> H. & A. Ad.
	? <i>Cumingii</i> Evc.	221	<i>alta</i> C. B. Adams.
	<i>diaphana</i> Nutt.		<i>Fissurella alta</i> C. B. Ad.
	<i>L. pintadina</i> Gld. (pars.)		<i>Lucapina alta</i> H. & A. Ad.
208	<i>Aomsea persona</i> Esch.	222	<i>Rimula Mazatlanica</i> Carp.
	<i>A. radiata</i> Esch.	223	<i>Callopoma (Turbo) fluctuosum</i> Mawe.
	<i>ancylus</i> Esch.		<i>Trochus Fokkesii</i> Jonas.
	<i>scutum</i> D'Orb.	224	<i>Phasianella perforata</i> Phil.
	<i>Lottia punctata</i> Gr.	225	var. <i>strulata</i> .
	<i>Patella Oregona</i> Nutt.	225	<i>oempta</i> Gould. [Beck.]
	<i>umbonata</i> Nutt.	226	<i>Bankivia varians</i> (junior)
	<i>pileata</i> Nutt.		<i>Phasianella fasciata</i> Mke.
209	<i>scabra</i> Nutt.		<i>undatella</i> Mke.
210	<i>mitella</i> Mke.		<i>fulminata</i> Mke.
	<i>P. navicula</i> Evc. [Carp.]	227	<i>Uvanilla (Imperator) olivacea</i> Mawe.
211	<i>Scutellina navicelloides</i>		<i>Trochus olivaceus</i> Gr.
212	<i>Gadinia pentagoniostoma</i> Sowb. [Sowb.]		<i>Imperator olivaceus</i> Carp.
	<i>Siphonaria pentagoniostoma</i>		<i>U. olivacea</i> H. and A. Ad.
213	<i>Fissurella virescens</i> Sowb.		<i>Trochus brevispinosus</i> Val.
215	<i>Barbadensis</i> Gmel.		<i>erythrophthalmus</i> Phil.
	<i>Patella Barbadensis</i> Gmel.		? <i>Melchermi</i> Mke.
	<i>perforata</i> Gmel.		
	<i>rosea</i> Gmel.		
	<i>porphyrozonias</i> Gm.		
	<i>Cremides Barbadensis</i> H.	June, 1856.	
215	<i>rugosa</i> Sowb. [and A. Ad.]	229	<i>inermis</i> Gmel.
	<i>Cremides rugosa</i> H. & A. Ad.		<i>Trochus inermis</i> Gmel.
	<i>F. chlorotrema</i> Mke.		<i>olivaceus</i> Phil. non
	<i>humilis</i> Mke.	229	<i>unguis</i> Mawe. [Gray.]
	<i>viminea</i> Mke.		<i>Trochus unguis</i> Mawe.
	<i>virescens</i> (jun.) Carp.		<i>Turbo unguis</i> Desh.
217	<i>nigrocinota</i> Carp.		<i>digitatus</i> Desh.
217	— (sp. ined.)		<i>Trochus amictus</i> Val.
218	<i>alba</i> Carp.		? <i>stellaris</i> Mke.
219	<i>Peruviana</i> Lam.	231	<i>Trochus versicolor</i> Mke.
	<i>F. subrotundata</i> Desh.		? <i>Ziziphinus Californicus</i>
	<i>affinis</i> (var.)	232	<i>Mac Andrew</i> Carp. [A. Ad.]

[Carpenter, Mazatlan Shells.]

Page.		Page.	
233	<b>Omphalius ? rugosus (var.)</b> rufotinctus. ? <i>Chlorostoma rugosum</i> A.	251	<b>Ethalia pyricalloso</b> <i>Carp.</i>
234	<b>viridulus</b> <i>Gmel.</i> [Adams. <i>Trochus viridula</i> <i>Gmel.</i> <i>Globulus</i> , &c. <i>Chemn.</i> <i>Phorcus variegatus</i> A. Ad. <i>Trochus Brasiliensis</i> Mke. <i>Byrontianus</i> Wood. <i>reticulatus</i> Gould.	251	<b>hirulata</b> <i>Carp.</i>
235	<b>Omphalius ligulatus</b> <i>Mke.</i> <i>Trochus ligulatus</i> <i>Mke.</i> ? <i>Phorcus Californicus</i> A. Adams. <i>O. Californicus</i> H. & A. Ad. <i>Trochus magus</i> , &c. &c.	252	<b>pallidula</b> <i>Carp.</i>
236	<b>globulus</b> <i>Carp.</i> <i>Trochus glomus</i> <i>Mke.</i>	252	<b>carinata</b> <i>Carp.</i>
238	<b>Vitrinella Panamensis</b> <i>C.</i>	June, 1856.	
238	<b>parva</b> <i>C. B. Ad.</i> [ <i>B. Ad.</i> <i>V. clathrata</i> <i>Carp.</i>	253	<b>amplectans</b> <i>Carp.</i> [ <i>Carp.</i>
239	<b>deoussata</b> <i>Carp.</i>	253	<b>Teinostoma amplectans</b>
240	<b>monile</b> <i>Carp.</i>	254	<b>substriatum</b> <i>Carp.</i>
240	<b>monilifera</b> <i>Carp.</i>	254	<b>Trochus</b> — (sp. ined.)
241	<b>hirulata</b> <i>Carp.</i>	255	<b>Nerita scabricosta</b> <i>Lam.</i> <i>N. ornata</i> Sowb. <i>Deshayenii</i> Récl. <i>multijugis</i> <i>Mke.</i> <i>Pila multijugis</i> H. & A. Ad. <i>ornata</i> H. & A. Ad. <i>scabricosta</i> H. & A. Ad.
241	<b>subquadrata</b> <i>Carp.</i>	257	<b>Bernhardi</b> Récl. <i>N. funiculata</i> <i>Mke.</i> <i>N. —</i> (sp. ined. a.) <i>C.</i> B. Adams. <i>Theliostyla Bernhardi</i> H. and A. Adams.
241	<b>biflata</b> <i>Carp.</i>	258	<b>Neritina cassiolum</b> Sowb.
242	<b>bifrontia</b> <i>Carp.</i>	259	<b>picta</b> Sowb. <i>Vitta picta</i> H. and A. Ad.
243	<b>perparva</b> <i>C. B. Adams.</i> var. <b>nodosa.</b> <i>V. nodosa</i> <i>Carp.</i>	262	<b>Vanikoro cryptophila</b> <i>Car.</i>
243	<b>exigua</b> <i>C. B. Adams.</i>	264	<b>Trochita ventricosa</b> <i>Carp.</i>
244	<b>coronata</b> <i>Carp.</i>	July, 1856.	
245	? <b>annulata</b> <i>Carp.</i>	265	<b>Galerus conicus</b> <i>Brod.</i> <i>Calyptrea (Siphopatella)</i> <i>conica</i> <i>Brod.</i>
245	<b>cincta</b> <i>Carp.</i>	266	<b>mamillaris</b> <i>Brod.</i> <i>Calyptrea (Siphopatella)</i> <i>mamillaris.</i> <i>C. regularis</i> <i>C. B. Ad.</i> <i>Lamarckii</i> <i>Mke.</i> ? <i>lichen</i> <i>Brod.</i> <i>G. lichen</i> H. and A. Ad.
246	<b>carinulata</b> <i>Carp.</i>	268	<b>Crepidula aculeata</b> <i>Gmel.</i> <i>Patella aculeata</i> <i>Gmel.</i> <i>fornicata</i> , &c. <i>Ch.</i> <i>La Retorte épineuse</i> <i>Fav.</i> <i>Crepidatella aculeata</i> H. & A. Adams.
246	? <b>naticoides</b> <i>Carp.</i>		
246	? <b>planospirata</b> <i>Carp.</i>		
247	? <b>orbis</b> <i>Carp.</i>		
248	? <b>Idotia carinata</b> <i>Carp.</i>		
248	? <b>striolata</b> <i>Carp.</i>		
249	?? <b>C. B. Adamsii</b> <i>Carp.</i>		
249	? — (sp. ined.)		
250	? <b>Globulus tumens</b> <i>Carp.</i>		

[Carpenter, Mazatlan Shells.]

Page.		Page.	
	<i>Crepidula capensis</i> H. & A. Adams.		<i>Crypta incurva</i> H. & A. A.
	<i>Calyptrea echinus</i> Br.	278	<i>Crepidula hepatica</i> Mke.
	<i>hystrix</i> Br.		<i>Crepidula onyx</i> Sowb.
	<i>Crepidula hystrix</i> Br.		<i>Crypta onyx</i> H. & A. Ad.
	<i>costata</i> Mke.		? <i>Crepidula hepatica</i> C.B.A.
	<i>californica</i> Nutt.		<i>Crepidipatella hepatica</i> H. & A. Adams.
272	<i>Crepidula dilatata</i> Lam.		<i>Calyptrea amygdalus</i> Val.
	[A. Ad.]		<i>Crepidula contorta</i> Mke.
	<i>Crepidipatella dilatata</i> H. & A. Adams.	280	<i>Cerithicola</i> Mke.
	<i>Crepidula depressa</i> Desh.		<i>nivea</i> C. B. Adams.
	<i>Peruviana</i> Lam.		<i>Crypta nivea</i> H. & A. Ad.
	<i>Crypta Peruviana</i> H. & A. A.		<i>Calyptrea squama</i> Br.
	<i>patula</i> H. & A. A.		<i>Crepidula squama</i> Lam.
	<i>Crepidula patula</i> Desh.		<i>Ianacus squama</i> H. & A. A.
	<i>Adolphei</i> Less.		<i>Crepidula Gorensis</i> Mke.
	<i>Crepidipatella Adolphei</i> H. & A. Adams.		<i>striolata</i> Mke.
	<i>Crepidula Nautiloides</i> Less.		<i>Lessonii</i> Br.
	<i>striata</i> Lam.		<i>Ianacus Lessonii</i> H. & A. A.
	<i>Calyptrea striata</i> Br.		<i>unguiculus</i> Sowb.
	<i>Crepidipatella striata</i> H. & A. Adams.		<i>Crepidula unguicula</i> Br.
	<i>pallida</i> Br.	284	<i>Patagonica</i> Br.
	<i>Crepidula pallida</i> Lam.		<i>protea</i> Br.
	<i>arcuata</i> D'Orb.		? <i>unguiformis</i> Lam.
	<i>Calyptrea foliacea</i> Br.		<i>Patella crepidula</i> Linn.
	<i>Crepidula Patagonica</i> D'O.		<i>unguiformis</i> Lam.
273	? <i>dorsata</i> Br. (var.) <i>bilobata</i> .		<i>Italica</i> Defr.
	<i>Calyptrea dorsata</i> Br.		<i>plana</i> Say. [Ad.]
274	<i>excavata</i> Brod.		<i>Ianacus unguiformis</i> H. & A.
	<i>Calyptrea excavata</i> Br.	287	<i>Crucibulum imbricatum</i>
275	<i>adunca</i> Sowb.		Sowb.
	<i>C. solida</i> Hinds.		<i>Calyptrea imbricata</i> Sowb.
	<i>Crypta solida</i> H. & A. Ad.		<i>Crucibulum scutellatum</i> Gr.
	<i>Crepidula rostriformis</i> Gld.		<i>Patella scutellata</i> Gr.
	<i>rostrata</i> C. B. A.		<i>Calyptrea rugosa</i> Less.
	<i>Crypta rostrata</i> H. & A. Ad.		<i>auriculata</i> Carp.
	<i>Crepidula uncata</i> Mke.		<i>extinctorum</i> Sb.
	<i>incurva</i> (var.)		<i>Crucibulum extinctorum</i> H. & A. Adams.
	Carp.		<i>Calyptrea rugosa</i> Val.
	<i>Garnotia solida</i> Gray.		<i>dentata</i> Mke.
276	<i>incurva</i> Brod.	Aug. 1836.	<i>auricularis</i> Des.
		290	<i>spinosum</i> Sowb.

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Page.		Page.	
	<i>Calyptrea spinosa</i> Sowb.	308	—— (sp. ined. b.)
	<i>Patella Peziza</i> Wood.	309	<i>Petalococonchus macro-</i>
	<i>Calyptrea tubifera</i> Less.		<i>phragma</i> Carp.
	<i>Dispolia tubifera</i> Say.	315	<i>Cæcum insculptum</i> Carp.
	<i>Calyptrea auriculata</i> D'Or.	315	<i>subspirale</i> Carp.
	<i>tenuis</i> Br.	316	<i>abnormale</i> Carp.
	<i>hispida</i> Br. [Ad.	317	<i>obtusum</i> Carp.
	<i>Crucibulum hispida</i> H. & A.	317	<i>liratocinctum</i> Carp.
	<i>maculatum</i> H. & A. A.	318	var. <i>tenuiliratum</i> .
	<i>Calyptrea maculata</i> Br.	318	var. <i>subobsoletum</i> .
295	<i>Calyptrea cepacea</i> Br.	318	var. <i>subconicum</i> .
296	<i>Hipponyx serratus</i> Carp.	319	<i>heptagonum</i> Carp.
297	<i>antiquatus</i> Linn.	319	<i>elongatum</i> Carp.
	<i>Patella antiquata</i> Linn.	319	var. <i>semilæve</i> .
	<i>Lepas alba</i> Mart.	320	<i>subimpressum</i> Carp.
	<i>Patella mitrula</i> Gmel.	320	<i>firmatum</i> C. B. Adams.
	<i>nivea</i> Gmel.		<i>C. eburneum</i> C. B. Ad.
	<i>Le Soron</i> Adans.		<i>monstrosum</i> C. B. Ad.
	<i>Pileopsis antiquata</i> F. & H.		<i>pygmaeum</i> C. B. Ad.
	<i>Concholepas antiquatus</i> H.		<i>diminuatum</i> C. B. Ad.
	and A. Adams.	322	<i>olathratum</i> Carp.
	<i>Pileopsis mitrula</i> Lam.	322	<i>quadratum</i> Carp.
	<i>Capulus mitrula</i> Dunk.	322	var. <i>compactum</i> .
	<i>Hipponice mitrale</i> DeFr.	323	<i>undatum</i> Carp.
	<i>Hipponyx Panamensis</i> C.		? <i>C. parvum</i> C. B. Adams.
	B. Ad. [A. Ad.	Sept. 1856.	
	<i>Amalthea Panamensis</i> H. &	325	<i>læve</i> C. B. Adams.
298	<i>planatus</i> Carp.	326	<i>faroimen</i> Carp.
299	<i>barbatus</i> Sowb.	327	<i>glabriforme</i> Carp.
	? <i>H. australis</i> Mke.	327	<i>corrugulatum</i> Carp.
299	( <i>Amalthea</i> ) <i>Grayanus</i> Mk.	328	<i>dextroversum</i> Carp.
	<i>H. radiata</i> Gr.	329	<i>reversum</i> Carp.
300	<i>Capulus</i> —— (sp. ined.)	329	<i>teres</i> Carp.
301	<i>Aletes centiquadrus</i> Val.	330	<i>Turitella gonistoma</i> Val.
	<i>Vermetus centiquadrus</i> Val.		<i>Haustator gonistoma</i> H. &
	<i>Peronii</i> Val.		A. Adams.
302	var. <i>imbricatus</i> .		<i>T. lentiginosa</i> Rve.
303	<i>margaritarum</i> Val.		<i>Hookeri</i> Mke.
	<i>Vermetus margaritarum</i> Val.	332	<i>tigrina</i> Kien.
304	<i>Vermetus eburneus</i> Rve.		<i>Haustator tigrina</i> H. & A. A.
305	? <i>Elvonia contorta</i> Carp.		<i>T. imbricata</i> Mke.
307	? var. <i>indentata</i> .	333	<i>Cerithium maculosum</i> Kien.
307	<i>albida</i> Carp.		<i>C. adustum</i> Kien.
307	—— (sp. ined. a.)		<i>nebulosum</i> Sowb.

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Page.		Page.	
334	<b>Cerithium ? famelicum</b> C. B. Adams. <i>C. uncinatum</i> Sowb.	352	<b>Modulus catenulatus</b> Phil. <i>Trochus catenulatus</i> Küst. <i>M. trochiformis</i> By. & Soul. <i>Carchedonicus</i> Carp.
334	var. <b>mediolæve</b> . <i>C. umbonatum</i> Sowb.	353	— (sp. ined.)
335	? <b>uncinatum</b> Gmel. <i>Murex uncinatus</i> Gmel. No. 198 Schr. <i>Strombus muricatus</i> &c. So. <i>C. famelicum</i> (pars.) C.B.A.	353	<b>disculus</b> Phil. <i>Trochus disculus</i> Phil. <i>M. duplicatus</i> (var.) A.Ad. <i>dorsuosus</i> Gould.
336	— (sp. ined. a.)	354	<b>Fossarus tuberosus</b> Carp. ? <i>Trichotropis</i> (sp. 1.) [Carp.
336	<b>alboliratum</b> Carp.	354	<b>angulatus</b> Carp.
337	— (sp. ined. b.)	355	<b>Isapis maculosa</b> Carp.
337	<b>sterous-muscarum</b> Val. <i>C. irroratum</i> Gould. <i>occellatum</i> Mke.	356	— (? sp. ined.)
338	<b>interruptum</b> Mke. ? <i>C.</i> — (sp. ined.) C.B.A.	356	<b>Rissoina stricta</b> Mke. <i>Rissoa stricta</i> Mke. — (sp. ined.)
339	<b>Vertagus gemmatus</b> Hinds. <i>Cerithium gemmatum</i> Hds. <i>V. gemmatus</i> H. & A. Ad.	357	<b>Woodwardii</b> Carp.
340	— (sp. ined.)	358	<b>lirata</b> Carp.
341	<b>Triforis alternatus</b> C. B. Ad.	359	<b>Alvania excurvata</b> Carp.
341	<b>inconspicuus</b> C. B. Ad.	359	<b>effusa</b> Carp.
342	? <b>infrequens</b> C. B. Ad.	360	<b>tumida</b> Carp.
342	<b>Cerithidea Montagnei</b> D'Or. <i>Cerithium Montagnei</i> D'Or. <i>Reeveanum</i> C. B. A.	360	— (sp. ined.)
344	<b>varicosa</b> Sowb. (var.) Mazatlanica. <i>C. varicosum</i> Sowb. ? <i>validum</i> C. B. Ad.	360	<b>Cingula</b> — (sp. ined.)
346	<b>Littorina conspersa</b> Phil. <i>L. puncticulata</i> Phil. <i>Melaraphe puncticulata</i> H. and A. Adams. <i>L. modesta</i> Mke.	361	<b>Hydrobia ulvæ</b> Penn. <i>Turbo ulvæ</i> Penn. <i>Paludinella stagnalis</i> Midd. ? <i>Helix stagnalis</i> Linn. — (sp. ined.)
348	<b>aspera</b> Phil. <i>Melaraphe aspera</i> H. & A. A.	361	<b>Jeffreyssia bifasciata</b> Carp.
Oct. 1856.		362	? <b>Alderii</b> Carp.
349	<b>Philippii</b> Carp.	363	<b>tumens</b> Carp.
350	— (sp. ined.)	363	? — (sp. ined.)
351	<b>Littorina fasciata</b> Gray. <i>Melaraphe fasciata</i> Gr.	364	<b>Truncatella</b> — (sp. ined.)
		364	<b>Planaxis nigrifella</b> Forbes. <i>Pl. acutus</i> Mke. <i>obsoletus</i> Mke.
		366	<b>Alaba supralirata</b> Carp.
		367	<b>violacea</b> Carp.
		367	<b>terebialis</b> Carp.
		368	<b>alabastrites</b> Carp.
		368	<b>scalata</b> Carp.

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| 368        | <i>Alaba</i> ? <i>conica</i> Carp.   | Nov. 1856. |  |
| 369        | ? <i>mutans</i> Carp.                | 385        | <i>Myurella Hindsi</i> Carp.           |
| 369        | ? <i>laguncula</i> Carp.             | 386        | <i>subnodosa</i> Carp.                 |
| 370        | ? ——— (sp. ined. a.)                 | 386        | <i>rufocinerea</i> Carp.               |
| 370        | ? ——— (sp. ined. b.)                 | 387        | <i>Subula luctuosa</i> Hinds.          |
| 370        | <i>Ovula variabilis</i> C. B. Ad.    |            | <i>Terebra luctuosa</i> Hinds.         |
|            | <i>O. Californica</i> Sowb.          |            | <i>Hastula luctuosa</i> H. & A. A.     |
| 371        | <i>Cypræa exanthema</i> Linn.        | 388        | <i>Buryta fulgurata</i> Phil.          |
|            | <i>C. zebra</i> Linn.                |            | <i>Terebra arguta</i> Gould.           |
|            | <i>ceruinetta</i> Kien.              | 389        | <i>aciculata</i> Lam. [Lam.            |
|            | <i>carvæ</i> (var.) Rve.             |            | ? <i>Buccinum aciculatum</i>           |
| Oct. 1856. |                                      |            | <i>Terebra aciculata</i> Gr.           |
| 373        | <i>Luponia</i> ? <i>spurca</i> Linn. | 390        | <i>Pleurotoma funiculata</i> Val.      |
|            | <i>Cypræa spurca</i> Linn.           |            | <i>P. olivacea</i> (var.) Rve.         |
|            | <i>flavoala</i> Lam.                 |            | <i>Sarcula funiculata</i> H. & A.      |
|            | <i>acicularis</i> Gmel.              | 391        | <i>maculosa</i> Sowb. [Ad.             |
| 373        | <i>Aricia arabicula</i> Lam.         |            | <i>Drillia maculosa</i> H. & A. A.     |
|            | <i>Cypræa arabicula</i> Lam.         | 392        | <i>Drillia incrassata</i> Sowb.        |
|            | ? <i>punctulata</i> Gr.              |            | <i>Pleurotoma incrassata</i> Sb.       |
| 375        | <i>Trivia pustulata</i> Lam.         |            | <i>Crassispira incrassata</i> H.       |
|            | <i>Cypræa pustulata</i> Lam.         |            | & A. Adams.                            |
|            | <i>Pustularia pustulata</i> H. &     |            | <i>Pleurotoma Bottæ</i> Kien.          |
| 376        | <i>radians</i> Lam. [A. Ad.          | 393        | <i>rudis</i> Sowb.                     |
|            | <i>Cypræa radians</i> Lam.           |            | <i>Pleurotoma rudis</i> Sowb.          |
|            | <i>oniscus</i> Wood.                 |            | <i>Crassispira rudis</i> H. & A. A.    |
| 377        | <i>Solandri</i> Gray.                | 393        | <i>aterrima</i> Sowb. var. <i>Mel-</i> |
|            | <i>Cypræa Solandri</i> Sowb.         |            | <i>chersi</i> .                        |
| 378        | <i>sanguinea</i> Gr.                 |            | <i>Pleurotoma aterrima</i> Sowb.       |
|            | <i>Cypræa sanguinea</i> Sowb.        |            | <i>Crassispira aterrima</i> H. &       |
|            | <i>fusca</i> Gray.                   |            | A. Adams.                              |
| 379        | <i>pulla</i> Gaskoin.                |            | ? <i>Pleurotoma maura</i> Val.         |
|            | <i>C. pulla</i> Gaskoin.             |            | <i>Melchersi</i> Mke.                  |
| 379        | <i>subrostrata</i> Gray.             |            | ? <i>discors</i> Sowb.                 |
|            | <i>Cypræa subrostrata</i> Sowb.      |            | ? <i>atrior</i> C. B. A.               |
| 380        | <i>Cancellaria urceolata</i> Hind.   |            | <i>rustica</i> Carp.                   |
|            | <i>C. obesa</i> Carp.                | 394        | ? <i>cerithoidea</i> Carp.             |
|            | ? <i>ovata</i> Mke.                  | 395        | <i>zonulata</i> Rve.                   |
| 380        | <i>goniostoma</i> Sowb.              |            | <i>Pleurotoma cincta</i> Sowb.         |
| 381        | <i>Strombus galeatus</i> Swains.     |            | <i>zonulata</i> Rve.                   |
|            | <i>S. galea</i> Wood.                |            | <i>Crassispira zonulata</i> H. &       |
|            | <i>crenatus</i> Sowb.                | 395        | <i>monilifera</i> Carp. [A. Ad.        |
| 382        | <i>granulatus</i> Swains.            | 396        | <i>albovallosa</i> Carp.               |
| 383        | <i>gracillior</i> Sowb.              | 397        | <i>albonodosa</i> Carp.                |
| 384        | <i>Myurella albo-cincta</i> Carp.    | 397        | <i>luctuosa</i> Hinds.                 |

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Page.		Page.	
	<i>Clavatulula luctuosa</i> Hinds.		<i>Pyramidella conica</i> C. B. A.
	<i>Pleurotoma luctuosa</i> Rve.	410	<i>Odostomia sublirulata</i> Car.
	<i>Crassispira luctuosa</i> H. &	410	—— (sp. ined.)
	A. Adams.	411	<i>lamellata</i> Carp.
398	? <i>Hanleyi</i> Carp.	411	<i>subsulcata</i> Carp.
398	—— (sp. ined.)	411	<i>vallata</i> Carp.
398	—— (sp. ined.)	412	<i>mammillata</i> Carp.
399	<i>Clathurella rava</i> Hinds.	412	<i>tenuis</i> Carp.
	<i>Clavatulula rava</i> Hinds.	413	<i>Auriculina</i> —— (sp. ined. a.)
	<i>Defrancia rava</i> H. & A. A.	413	—— (sp. ined. b.)
	? <i>Pleurotoma rava</i> Rve.	413	—— (sp. ined. c.)
400	<i>aurea</i> Carp.	413	<i>Parthenia scalariformis</i> Cp.
400	<i>Mangelia</i> ? <i>acuticoostata</i>	414	<i>quinquecostata</i> Carp.
	var. <i>subangulata</i> .	414	<i>lacunata</i> Carp.
401	<i>Cithara</i> —— (sp. ined.)	415	<i>armata</i> Carp.
401	<i>Conus regularis</i> Sowb.	415	<i>exarata</i> Carp.
	<i>Leptoconus regularis</i> H. &	416	<i>ziziphina</i> Carp.
402	<i>purpurascens</i> Br. [A. Ad.	417	<i>Chrysalida ovata</i> Carp.
	<i>Chelyconus purpurascens</i> H.	417	<i>nodosa</i> Carp.
	and A. Adams.	418	<i>rotundata</i> Carp.
	<i>Conus comptus</i> Gould.	418	<i>oblonga</i> Carp.
	? <i>interruptus</i> Br. & S.	419	<i>communis</i> C. B. Ad.
403	<i>regalitatidis</i> Sowb.		<i>Chemnitzia communis</i> C. B.
	? <i>C. achatinus</i> Mke.		Adams.
	? <i>purpurascens</i> (var.)	Dec. 1856.	
	<i>Chelyconus regalitatidis</i> H. &	421	<i>telescopium</i> Carp.
404	<i>arenatus</i> Brug. [A. Ad.	422	<i>Reigeni</i> Carp.
404	<i>puncticulatus</i> Hwass.	422	<i>effusa</i> Carp.
	<i>Chelyconus puncticulatus</i>	423	<i>fasciata</i> Carp.
	H. and A. Adams.	423	<i>ovulum</i> Carp.
405	<i>gladiator</i> Brod.	424	<i>clathratula</i> C. B. Adams.
	<i>Rhizoconus gladiator</i> H. &		<i>Chemnitzia clathratula</i> C.
405	<i>nux</i> Brod. [A. Ad.	424	<i>convexa</i> Carp. [B. Ad.
	<i>Coronaxis nux</i> H. & A. Ad.	425	<i>Photis</i> Carp.
406	? <i>scalaris</i> Val.	425	<i>indentata</i> Carp.
406	—— (sp. ined.)	426	? <i>clausiliformis</i> Carp.
407	<i>Torinia</i> ? <i>variegata</i> Lam.	427	<i>Chemnitzia</i> ? <i>Panamensis</i>
	<i>Solarium variegatum</i> Lam.		C. B. Adams.
	<i>Trochus perspectiviunculus</i>	427	<i>C. B. Adamsi</i> Carp.
	Chemn.	428	<i>similis</i> C. B. Ad.
	<i>Euomphalus radiatus</i> Mke.	428	<i>aculeus</i> C. B. Ad.
408	? <i>granosa</i> Val.	428	<i>muricata</i> Carp.
409	<i>Obeliscus</i> ? <i>conicus</i> (jun.)	429	? <i>affinis</i> C. B. Ad.
	C. B. Adams.	429	<i>prolongata</i> Carp.



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|------------|--|-------|---|
| 430        | <i>Chemnitzia gibbosa</i> Carp.  | 445   | <i>Cerithiopsis assimilata</i> C.<br><i>B. Adams.</i>   |
| 430        | —— (sp. ined. a.)  |       | <i>Cerithium assimilatam</i> C.<br><i>B. Adams.</i>   |
| 430        | —— (sp. ined. b.)  |       |   |
| 430        | —— (sp. ined. c.)  |       |   |
| 431        | —— (sp. ined. d.)  | 446   | <i>Scalaria hexagona</i> Sowb.<br><i>Clathrus hexagonus</i> H. & A.   |
| 431        | <i>gracillima</i> Carp.  | 446   | <i>suprastriata</i> Carp. [Ad.  |
| 431        | <i>undata</i> Carp.  | 447   | —— (sp. ined. a.)   |
| 432        | <i>flavescens</i> Carp.  | 447   | —— (sp. ined. b.)   |
| 432        | <i>terebialis</i> Carp.  | 447   | <i>raricostata</i> Carp.  |
| 433        | <i>tenuilirata</i> Carp.   | 447   | <i>Circotrema funiculata</i> Car.   |
| 433        | <i>unifasciata</i> Carp.   | 448   | <i>Natica maroccona</i> Chemn.<br><i>Neverita maroccona</i> Chemn.<br><i>marochiensis</i> Gm.<br><i>glaucina</i> Linn.<br><i>Natica marochiensis</i> Rve.<br><i>intermedia</i> Phil.<br><i>Poliana Sacchi.</i><br><i>lurida</i> Phil.<br><i>unifasciata</i> Lam.<br><i>Chemnitziana</i> Pfr.<br><i>Chemnitzii</i> Mke.<br><i>Pritchardi</i> Forb.<br><i>? tostoma</i> Mke.<br><i>Neverita Chemnitzii</i> H. & |
| 434        | <i>Dunkeria paucilirata</i> Carp.  | 450   | —— (sp. ined.) [A. Ad.  |
| 434        | <i>subangulata</i> Carp.   | 451   | <i>Lunatia tenuilirata</i> Carp.  |
| 435        | <i>cancellata</i> Carp.  | 451   | —— (sp. ined. a.)   |
| 435        | <i>intermedia</i> Carp.  | 451   | —— (sp. ined. b.)   |
| 436        | ? <i>Eulimella obsoleta</i> Carp.  | 451   | —— (sp. ined. c.)   |
| 436        | —— (sp. ined. a.)  | 452   | <i>Polinices uber</i> Val.<br><i>Natica uber</i> Val.<br><i>? alabaster</i> Rve.  |
| 436        | —— (sp. ined. b.)  | 453   | <i>Lamellaria</i> —— (sp. ined. a.)   |
| 437        | —— (sp. ined. c.)  | 453   | —— (sp. ined. b.)   |
| 437        | —— (sp. ined.)   | 453   | <i>Ficula ventricosa</i> Sowb.<br><i>Pyrula ventricosa</i> Sowb.<br><i>Bulla decussata</i> Wood.<br><i>Ficula decussata</i> Rve.  |
| 437        | <i>Aclis fusiformis</i> Carp.  | 454   | <i>Argobuccinum nodosum</i><br><i>Triton nodosum</i> Mke. [Ch.<br><i>Murex argus</i> (var. b.) Gm.<br><i>T. Chemnitzii</i> Gray.<br><i>Fusus Wiegmanni</i> Ant.   |
| 438        | <i>tumens</i> Carp.  |       |   |
| 438        | <i>Eulima ? hastata</i> Sowb.  |       |   |
| 438        | —— (sp. ined. a.)  |       |   |
| 438        | —— (sp. ined. b.)  |       |   |
| 439        | <i>Leiostraca ? recta</i> C. B. A.<br><i>Eulima recta</i> C. B. Ad.                        |       |   |
| 439        | ? <i>solitaria</i> C. B. Adams.<br><i>E. solitaria</i> C. B. Adams.                        |       |   |
| 439        | —— (sp. ined. a.)  |       |   |
| 440        | —— (sp. ined. b.)  |       |   |
| 440        | <i>linearis</i> Carp.  |       |   |
| 440        | ? <i>iota</i> (var.) <i>retexta</i> .  |       |   |
| 441        | ? <i>distorta</i> (var.) yod.<br><i>Melania distorta</i> Phil.<br><i>E. distorta</i> Desh. |       |   |
| 442        | <i>Cerithiopsis tuberculoides</i>  |       |   |
| 443        | var. <i>albonodosa</i> . [Carp.  |       |   |
| 443        | <i>cerea</i> Carp.   |       |   |
| 443        | <i>pupiformis</i> Carp.  |       |   |
| 444        | <i>sorex</i> Carp.   |       |   |
| 444        | <i>convexa</i> Carp.   |       |   |
| Jan. 1857. |  |       |   |
| 445        | <i>Cerithiopsis decussata</i> Car.   |       |   |

[Carpenter, Masatlan Shells.]

Page.		Page.		
	<i>Lagena Wiegmanni</i> H. & A. Adams.	Feb. 1857.		
	<i>Cassidaria setosa</i> Hinds?	469	<i>Olivella tergina</i> Ducl.	
	<i>T. perforatus</i> Conrad.		<i>Oliva tergina</i> Ducl.	
456	<i>Turbinella cæstus</i> Br.	469	<i>anasora</i> Ducl.	
	<i>Vasum cæstus</i> H. & A. Ad.		<i>Oliva anasora</i> Ducl.	
	<i>Turbinella ardeola</i> Val.	470	? <i>petiolita</i> (var.) <i>aureo-</i> <i>cinota</i> .	
Jan. 1857.			? <i>Oliva petiolita</i> Ducl.	
457	<i>Lathirus ceratus</i> Gr.	470	<i>inconspicua</i> C. B. Adams.	
	<i>Murex ceratus</i> Gray.		<i>Oliva inconspicua</i> C. B. A.	
	<i>Turbinella cerata</i> Gray.	471	<i>dama</i> Mawe.	
457	<i>Leucosonia cingulata</i> Lam.		<i>Voluta dama</i> Mawe.	
	<i>Monoceros cingulatum</i> Lam.		<i>Oliva lineolata</i> Gray.	
	<i>Buccinum cingulatum</i> Wood.		<i>purpurata</i> Swains.	
	<i>Turbinella cingulata</i> Kien.		<i>gracilis</i> Ducl.	
458	<i>Fasciolaria princeps</i> Sowb.	471	<i>Olivella lineolata</i> H. & A.	
	<i>F. aurantiaca</i> Sowb.		<i>zonalis</i> Lam. [Ad.	
459	<i>Mitra lens</i> Mawe.		<i>Oliva zonalis</i> Lam.	
	<i>Voluta lens</i> Wood.	472	<i>Agaronia testacea</i> Lam.	
	<i>Tiara foraminata</i> Swains.		<i>Oliva testacea</i> Lam.	
	<i>M. Dupontii</i> Kien.		<i>hiatula pars</i> Ducl.	
461	<i>Strigatella tristis</i> Br.		<i>Agaronia hiatula</i> H. & A. A.	
	<i>Mitra tristis</i> Br.	474	<i>Purpura patula</i> Linn.	
	<i>amphorella</i> Carp.		<i>Buccinum patulum</i> Linn.	
461	<i>Marginella minor</i> C. B. Ad.		<i>Le Pakel</i> Adams.	
	<i>Gibberula minor</i> H. & A. A.	475	<i>P. pansa</i> Gould.	
462	<i>polita</i> Carp.		475	<i>columellaris</i> Lam.
462	<i>margaritula</i> Carp.	476	<i>muricata</i> Gray.	
463	<i>Oliva angulata</i> Lam.		<i>Monoceros muricatum</i> Rve.	
	<i>Voluta incrassata</i> Dillw.		<i>P. cassidiformis</i> D'Orb.	
	<i>Strophona incrassatus</i> H.		<i>truncata</i> Ducl.	
464	<i>Melchersi</i> Mke. [& A. A.	477	<i>biseriatis</i> Blaisv.	
	<i>O. angulata</i> Carp.		<i>P. bicostalis</i> Rve.	
465	<i>intertincta</i> ? Carp.		<i>undata</i> Val.	
466	? <i>venulata</i> Lam.		<i>hæmastoma</i> Mke.	
	<i>O. araneosa</i> C. B. Ad.		<i>consul</i> Mke.	
	? <i>Julieta</i> Mke.	479	<i>triseriatis</i> Blaisv.	
	<i>reticularis</i> (var.) Rve.		<i>P. speciosa</i> Rve.	
467	<i>Duolosi</i> Rve.		<i>centiquadra</i> Val.	
467	<i>Olivella undatella</i> Lam.		<i>Thalassa speciosa</i> H. & A.	
	<i>Oliva undatella</i> Lam.		Adams.	
	<i>Voluta tenebrosa</i> Wood.	480	<i>triangularis</i> Blaisv.	
			<i>P. Carolensis</i> Rve. [Ad.	
			<i>Tribulus Carolensis</i> H. & A.	

[Carpenter, Mazatlan Shells.]

Page.		Page.	
481	<b>Cuma kiosquiformis</b> Ducl.	496	<i>Phrontis xanthostoma</i> H. &
	<i>Purpura kiosquiformis</i> Duc.	496	<b>Nassa tegula</b> Rve. [A. Ad.
	<i>scalariformis</i> D'Or.	496	var. <i>nodulifera</i> Phil. [Ad.
	— (sp. ined.) C.		<i>Phrontisnodulifera</i> H. & A.
482	<b>costata</b> Blainv. [B. Ad.	497	(? <b>Pagodus</b> var.) <i>acuta</i> .
	<i>P. costata</i> Blainv.	498	— (sp. ined. a.)
	<i>diudema</i> Lam.	498	— (sp. ined. b.)
484	<b>Rhizocheilus nux</b> Rve.	498	— (sp. ined. c.)
	<i>Murex nux</i> Rve.	498	— (sp. ined. d.)
485	<b>Vitularia salebrosa</b> King.	498	— (sp. ined. e.)
	<i>Murex salebrosus</i> King.	498	? <b>gemmulosa</b> C. B. Ad.
	<i>Fusus salebrosus</i> Forbes.		<i>Niotha gemmulosa</i> H. & A.
	<i>Murex ritulinus</i> Gray.	499	? <b>versicolor</b> C. B. Ad. [A.
487	<b>Nitidella cribraria</b> Lam.		<i>Uzita versicolor</i> H. & A. A.
	<i>Buccinum cribrarium</i> Lam.	499	<b>crebristriata</b> Carp.
	<i>Columbella cribraria</i> Sowb.	499	— (sp. ined. f.)
	<i>Mitrella cribraria</i> H. & A. A.	500	— (sp. ined. g.)
	<i>Voluta ocellata</i> Gmel.	500	— (sp. ined. h.)
	<i>Le Barnet</i> Adans.	500	— (sp. ined. i.)
	<i>B. parvulum</i> Dunk.	500	<b>Pyrula patula</b> Br. and Sw.
	<i>C. mitriformis</i> Br. & King.		<i>Cyrtulus patulus</i> Hinds.
	<i>guttata</i> Sowb.		<i>Cassidulus patulus</i> H. and
488	— (sp. ined.)		A. Adams.
489	<b>Columbella major</b> Sowb.		<i>P. melongena</i> (var.) Sowb.
	<i>C. strombiformis</i> (var.)	502	<b>Fusus pallidus</b> Br. & Sowb.
	<i>paytalida</i> Ducl. [Kien.		<i>Pyrula lignaria</i> Rve.
	? <i>gibbosa</i> Val.		<i>F. turbinelloides</i> Rve.
490	<b>strombiformis</b> Lam.		<i>lignarius</i> H. and A. Ad.
	<i>Buccinum strombiforme</i>		<i>Neptunea pallida</i> H. & A. A.
	? <i>C. gibbosa</i> Val. [Wood.	503	<b>tumens</b> Carp.
492	<b>fuscata</b> Sowb.	504	<b>apertus</b> Carp.
	<i>C. meleagris</i> Kien.	504	— ? (sp. ined. a.)
	<i>rustica pars</i> Sowb.	504	— ? (sp. ined. b.)
March, 1867.		505	? <b>Cominella</b> — (sp. ined.)
493	<b>cervinetta</b> Carp.	505	<b>Anachis scalarina</b> Sowb.
493	<b>cervinetta</b> (var.) <b>obso-</b>		<i>Columbella scalarina</i> Sowb.
	<b>leta.</b>	506	<b>costellata</b> Br. and Sowb.
493	? <b>Metula</b> — (sp. ined. a.)		<i>C. costellata</i> Br. & Sowb.
494	? <b>Metula</b> — (sp. ined. b.)	507	var. <b>pachyderma.</b>
494	? <b>Metula</b> — (sp. ined. c.)	508	— (sp. ined.)
494	? <b>Metula</b> — (sp. ined. d.)	508	<b>coronata</b> Sowb.
494	<b>Nassa luteostoma</b> Br. & S.		<i>Columbella coronata</i> Sowb.
	<i>Buccinum luteostomum</i> Kie.	509	? <b>fulva</b> Sowb.
	<i>Nassa xanthostoma</i> Gray.		<i>C. fulva</i> Sowb.

## [Carpenter, Mazatlan Shells.]

Page.		Page.	
509	<i>Anachis nigrofusca</i> Carp.	523	<i>Phyllonotus nitidus</i> Br.
509	<i>serrata</i> Carp.		<i>M. nitidus</i> Br.
510	<i>pygmaea</i> Sowb.	523	<i>brassica</i> Lam.
	<i>C. pygmaea</i> Sowb.		<i>M. brassica</i> Lam.
510	<i>Gaskoini</i> Carp.		<i>ducalis</i> Br.
511	<i>rufotincta</i> Carp.	524	<i>bicolor</i> Val.
512	<i>albonodosa</i> Carp.		<i>M. bicolor</i> Val.
512	— (sp. ined. a.)		<i>erythrostomus</i> Swains.
512	— (sp. ined. b.)		<i>regius</i> Sch. and Wagn.
513	<i>Strombina maculosa</i> Sowb.		<i>hippocastanum</i> Phil.
	<i>Columbella maculosa</i> Sowb.	524	<i>regius</i> Swains.
513	— ? (sp. ined.)		<i>M. regius</i> Swains.
514	<i>Pisania insignis</i> Rve. [Val.		<i>tricolor</i> Val.
	<i>Buccinum mutabile</i> (pars.)	524	<i>princeps</i> Br.
	<i>insignis</i> Rve.		<i>M. princeps</i> Br.
	<i>Tritonidia insignis</i> H.&A.A.	526	<i>Muricidea ? lappa</i> Br.
515	(? <i>Pagodus</i> [var.]) <i>sequi-</i>		<i>Murex lappa</i> Br.
	<i>hirata</i> .	526	<i>dubia</i> Swains.
515	<i>gemmata</i> Rve.		<i>Murex dubius</i> Swains.
	<i>B. gemmatum</i> Rve.		<i>aculeatus</i> Wood.
	<i>gemmulatum</i> Mke.	527	? <i>erinaceoides</i> (var.) in-
	<i>undatum</i> Kien. [A. Ad.		<i>dentata</i> .
	<i>Tritonidea gemmatum</i> H. &		<i>Murex erinaceoides</i> Val.
	<i>B. mutabile</i> (pars.) Val.	528	<i>Murex</i> — (sp. ined.)
517	<i>sanguinolenta</i> Ducl.	528	<i>Muricidea paucillus</i> A. Ad.
	<i>Purpura sanguinolenta</i> Du.		<i>Murex paucillus</i> A. Ad.
	<i>B. sanguinolentum</i> Mke.		(ADDITIONAL SPECIES.)
	<i>Pollia haemastoma</i> Gr.	529	? <i>Narancio scobina</i> Carp.
	<i>B. haemastoma</i> Rve.	529	<i>Mya</i> — (sp. ined.)
	<i>Janelli</i> Val.	530	? <i>Corbula</i> — (sp. ined. b.)
	<i>Tritonium verrucosum</i> Mke.	530	<i>Sphaenia</i> — (sp. ined.)
	<i>Tritonidea sanguinolentus</i>	530	? — (sp. ined.)
518	<i>ringens</i> Rve. [H. & A. Ad.	530	? <i>Lyonsia</i> — (sp. ined.)
	<i>B. ringens</i> Rve.	531	<i>Tellina</i> — (sp. ined. c.)
	<i>Tritonidea ringens</i> H.&A.A.	531	<i>Cardium rotundatum</i> Carp.
518	<i>Murex pilcatus</i> Sowb.	531	<i>Lasea</i> — (sp. ined.)
	<i>M. unidentatus</i> Mke.	531	? <i>Montacuta chalconica</i>
519	? <i>recurvirostris</i> (var.)		<i>Carp.</i>
	<i>lividus</i> .	532	<i>Arca</i> — (sp. ined. b.)
	<i>M. recurvirostris</i> Br.	532	<i>Pecten</i> — (sp. ined. a.)
	<i>messorius</i> Mke.	532	— (sp. ined. b.)
521	<i>Phyllonotus nigrinus</i> Meus.	533	<i>Smaragdinella thecaphora</i>
	<i>Murex nigrinus</i> Phil.		<i>Nutt.</i>
	<i>ambiguus</i> Rve.		

## APPENDIX.

[Carpenter, Mazatlan Shells.]

Page.		Page.	
534	<i>Corbula alba Phil.</i>	535	<i>Siphonaria Lecanium Phil.</i>
534	<i>Tellina cicercula Phil.</i>	535	<i>Trochus disculus Phil.</i>
534	<i>lenticula Phil.</i>	535	<i>Buccinum nucleolus Phil.</i>
534	<i>dichotoma Phil.</i>	535	<i>Terebra fulgurata Phil.</i>
534	<i>ervilla Phil.</i>	535	<i>Columbella pallida Phil.,</i>
534	<i>Diplodonta obliqua Phil.</i>	535	<i>spadicea Phil.</i>
534	<i>Lucina cancellaris Phil.</i>	535	<i>tæniata Phil.</i>
535	<i>Patella pediculus Phil.</i>	536	<i>Dentalium hyalinum Phil.</i>

[Here follows a copy of Menke's List of Mazatlan Shells, from Zeit. F. Mal. 1847-51. Descriptions are given of the following.—W. G. B.]

Page.		Page.	
536	<i>Natica iostoma Mks.</i>	June, 1857.	
536	<i>Buccinum glivum Mks.</i>	541	<i>Planaxis acutus Mks.</i>
537	<i>Erato columbella Mks.</i>	541	<i>obsoletus Mks.</i>
537	<i>Crepidula costata Sowb.</i>	541	<i>Euomphalus radiatus Mks.</i>
537	<i>hepatica Desh.</i>	541	<i>Trochus (Calcar) Mel-</i>
538	<i>uncata Mks.</i>	<i>cherei Mks.</i>	
538	<i>Fissurella chlorotrema</i>	541	<i>versicolor Mks.</i>
538	<i>humilis Mks. [Mks.]</i>	542	<i>ligulatus Mks.</i>
538	<i>gemmata Mks.</i>	542	<i>Rissoa stricta Mks. [Mks.]</i>
538	<i>Aomsea mitella Mks.</i>	542	<i>Cerithium interruptum</i>
538	<i>Mytilus spatula Mks.</i>	543	<i>Columbella nasuta Mks.</i>
539	<i>Modiola semilævis Mks.</i>	543	<i>Terpsichore Sowb.</i>
539	<i>Cytherea semifulva Mks.</i>	544	<i>Pleurotoma Melcherei</i>
539	<i>chionæa Mks.</i>	544	<i>Oliva Melcherei Mks. [Mks.]</i>
540	<i>Bulla Adamsi Mks.</i>	545	<i>Crepidula striolata Mks.</i>
540	<i>Natica ovum Mks.</i>	546	<i>Aomsea mutabilis Mks.</i>
540	<i>Nerita funiculata Mks.</i>	546	<i>fascicularis Mks.</i>
		546	<i>mesoleuca Mks.</i>

## ADDITIONS AND CORRECTIONS.

Page.	
547	To p. 2 <i>et passim</i> <i>Imperator</i> = <i>Uvanilla</i> .
547	“ 7 <i>Spondylus Lamarckii</i> = <i>S. calcifer</i> .
547	“ 17 <i>Petricola sinuosa</i> Conrad = <i>P. robusta</i> .
547	“ 21 <i>Corbula bicarinata</i> = <i>C. alba</i> ?
547	“ 25 <i>Tyleria fragilis</i> H. and A. Adams.
548	“ 26 <i>Semele proxima</i> = <i>S. flavescens</i> Gould.
548	“ 31 <i>Sanguinolaria purpurea</i> = <i>S. miniata</i> Gould ( <i>Tellina</i> .)

Page.		
548	To p. 39	<i>Tellina Burnett</i> = <i>Tellidora</i> .
548	" 43	<i>Donax culminatus</i> = <i>D. rostratus</i> C. B. Adams.
548	" 44	<i>Donax flexuosus</i> Gould (sp. distinct.)
548	" 50	<i>Lutraria ventricosa</i> = <i>Maetra exoleta</i> .
549	" 52	<i>Gnathodon trigona</i> Pet. = <i>G. mendicus</i> Gould.
549	" 58	<i>Cytherea squilatera</i> Desh. = <i>Trigona argentina</i> .
549	" 80	? <i>Venus succincta</i> Val. = <i>Anomalocardia subimbriata</i> .
549	" 90	<i>Hipponix tessellatus</i> = <i>H. serratus</i> .
550	" 135	<i>Arca trapezia</i> = <i>A. tuberculosa</i> .
550	" 149	<i>Margaritiphora Mazatlanica</i> = <i>M. fimbriata</i> Dunk.
550	" 159	<i>Ostrea palmula</i> (sp. distinct.)
550	" 169	<i>Narano</i> ——— (sp. ined.)
550	" 182	<i>Siphonaria squiliorata</i> = <i>S. Lecanium</i> .
551	" 220	<i>Fissurella mus</i> = <i>Glyphis inæqualis</i> .
552	" 358	<i>Rissoa lirata</i> = <i>Barlesia lirata</i> .
552	" 388	<i>Terebra fulgurata</i> = <i>Euryta fulgurata</i> .

[Other important corrections and additions have not been noticed by me. They must be consulted by the student. Indeed, it has been impossible to quote this work as exactly as the others of my Bibliography, owing to the thoroughness of the references, comparisons, &c.—W. G. B.]

**Agassiz.**—Ueber die Gattungen unter den nordamerikanischen Najaden. Briefliche Mittheilung an den Herausgeber in: *Archiv. f. Naturg.* 18 Jahrg. 1852. 1 Bd., p. 41.

Page.	§ 1.	Page.	§ 2.
43	<i>Dynomia</i> Ag.	47	<i>Micromya</i> Ag.
43	<i>Scalenaria</i> Raf.	47	<i>Crypogenia</i> Ag.
44	<i>Truncilla</i> Raf.	48	<i>Plagiola</i> Raf.
44	<i>Lampsilla</i> Raf.	48	<i>Orthonymus</i> Ag.
44	<i>Canthyrta</i> Swains.	48	<i>Tritogonia</i> Raf.
45	<i>Euryntia</i> Raf.	48	<i>Quadrula</i> Raf.
45	<i>Metaptera</i> Raf.	48	<i>Rotundaria</i> Raf.
46	<i>Alasmodonta</i> Say.	48	<i>Complanaria</i> Swains.
46	<i>Obovaria</i> Raf.	49	<i>Pleurobema</i> Raf.
		49	<i>Unlopais</i> Swains.
		49	<i>Margaritana</i> Sch.
		50	<i>Hemilastena</i> Raf.

[The above is a very imperfect quotation of the paper, which must be consulted by the student.—W. G. B.]

**Agassiz, Siebold.**—Ueber das Wassergefässsystem der Mollusken. Eine briefliche Mittheilung von L. AGASSIZ an C. TH. v. SIEBOLD. (From Zeits. für Wissenschaftliche Zoologie, 7 Band, p. 176. Leipzig, 1856.)

**Sullivan.**—An Alphabetical Catalogue of Shells, Fossils, Minerals, and Zoophytes, in the cabinet of JOSEPH SULLIVANT, Curator of the Philosophical and Historical Society of Ohio. Columbus, Ohio, 1838. (8vo. pp. 38.)

[The only species of Shells for which the locality is given are the following.—W. G. B.]

Page.		
9	<b>Unio alatus</b> Say.	Scioto river.
9	<b>catillus</b> Conrad.	Scioto river.
9	<b>circulus</b> Lea.	Scioto river.
9	<b>coccineus</b> Hildreth.	Scioto river.
9	<b>Cooperianus</b> Lea.	Scioto river.
9	<b>cornutus</b> Barnes.	Scioto river.
9	<b>crassus</b> Say.	Scioto river.
9	<b>cylindricus</b> Say.	Scioto river.
9	<b>dehiscens</b> Say.	Scioto river.
9	<b>dolabraformis</b> Lea.	Scioto river.
9	<b>elegans</b> Lea.	Scioto river.
9	<b>ellipsis</b> Lea.	Scioto river.
9	<b>foliatus</b> Hildreth.	Scioto river.
9	<b>gibbosus</b> Barnes.	Scioto river.
9	<b>glans</b> Lea.	Scioto river.
9	<b>Gouldianus</b> Ward.	Scioto river.
9	<b>Hildrethianus</b> Lea.	Ohio river.
9	<b>iris</b> Lea.	Scioto river.
9	<b>irroratus</b> Lea.	Scioto river.
10	<b>lachrymosus</b> Lea.	Scioto river.
10	<b>lapillus</b> Say.	Scioto river.
10	<b>lævissimus</b> Lea.	Scioto river.
10	<b>lens</b> Lea.	Scioto river.
10	<b>luteolus</b> Lam.	Scioto river.
10	<b>monodonta</b> Say.	Ohio and Scioto rivers.
10	<b>multiplicatus</b> Lea.	Scioto.
10	<b>multiradiatus</b> Lea.	Scioto.
10	<b>mytiloides</b> Raf.	Scioto.
10	<b>nasutus</b> Say.	Walhonding.
10	<b>nexus</b> Say.	Alabama.

10	<i>Unio obliquus</i> Lam.	Scioto.
10	<i>occidens</i> Lea.	Scioto.
10	<i>ochraceus</i> Say.	Eastern waters.
10	<i>ovatus</i> .	Scioto.
10	<i>parvus</i> .	Scioto.
10	<i>patulus</i> .	Scioto.
10	<i>penatus</i> Conrad.	Alabama.
10	<i>perdix</i> Lea.	Alabama.
10	<i>perplexus</i> .	Scioto river.
10	<i>pilleus</i> Lea.	Ohio.
10	<i>plicatus</i> .	Scioto.
10	<i>purpurens</i> .	Scioto.
10	<i>pustulatus</i> Lea.	Scioto.
10	<i>pustulosus</i> Lea.	Scioto.
10	<i>pyramidatus</i> Lea.	Scioto.
10	<i>radiatus</i> Lea.	Scioto.
10	<i>Rangianus</i> Lea.	Scioto.
10	<i>rectus</i> Lam.	Scioto.
10	<i>retusus</i> Lam.	Scioto.
10	<i>ridibundus</i> Say.	Ohio river.
10	<i>rubiginosus</i> Lea.	Scioto.
10	<i>solida</i> Lea.	Scioto.
10	<i>tenuissimus</i> Lea.	Scioto river.
10	<i>triangularis</i> Say (?)	Scioto.
10	<i>trigonus</i> .	Scioto.
10	<i>tuberculatus</i> .	Scioto.
10	<i>undulatus</i> Barnes.	Scioto.
11	<i>verrucosus</i> .	Scioto.
11	<i>Alasmodonta calceola</i> Lea.	Scioto river.
11	<i>Anodonta incerta</i> Lea.	Scioto river.





PART I.

AMERICAN AUTHORS.

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B.—WRITINGS ON FOREIGN SPECIES.

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# BIBLIOGRAPHY

OF

## NORTH AMERICAN CONCHOLOGY.

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**Bingley.**—Useful Knowledge ; or a Familiar and Explanatory Account of the various Productions of Nature, &c. &c., illustrated with numerous figures, &c. : by the Rev. WILLIAM BINGLEY, A. M., F. L. S., &c. In three volumes. Vol. iii, Animals. Philadelphia, 1818.

Pa.	Pl.	Fig.		
292			<b>Sepia officinalis.</b>	Europe.
			<b>Mya margaritifera.</b>	Arctic Circle.
294			<b>Mytilus margaritiferus.</b>	America and India.
296	v	79	<b>edulis.</b>	Indian Seas, &c.
297	v	77	<b>Ostrea edulis.</b>	Indian Seas, &c.
299	v	78	<b>Pecten maximus.</b>	
299	v	80	<b>Cardium edule.</b>	England, &c.
300			<b>Pinna nobilis.</b>	Mediterranean, &c.
301			<b>Helix pomatia.</b>	Europe.

**Barnes.**—Descriptions of five species of Chiton : by D. W. BARNES, M. A. (In Silliman's Journal, o. s., vol. vii, No. 1, p. 69, date of title, 1824.)

Pa.	Pl.	Fig.		
70			<b>Chiton Magellanicus</b> <i>Chemn.</i>	Coast of Peru. -
70	iii	1	<b>striatus</b> <i>Barnes.</i>	Coast of Peru.
70	iii	2	<b>Peruvianus</b> <i>Lam.</i>	Coast of Peru.
			<i>C. crinitus</i> <i>Penn.</i>	
71	iii	3	<b>niger</b> <i>Barnes.</i>	Coast of Peru.
71	iii	4	<b>echinatus</b> <i>Barnes.</i>	Coast of Peru.

**Ware.**—Account of the Hybernation of the Snail (*Cochlea pomatia*) and of some other circumstances connected with the Physiology of that animal. Translated and abridged from “Mem. Phys. sur le Colimaçon, par B. Gaspard, M. D.” (*Magendie, Journ. de Phys. Exp. et Path.*): by J. W. (JOHN WARE?) (From the Boston Journal of Philosophy and the Arts, vol. i, pp. 570–578. Boston, 1824.)

**Eaton.**—The Zoological Text-Book: by AMOS EATON. Albany, 1826.

[Many foreign species are described in this work. They have already been given on pp. 415–417.—W. G. B.]

**Green.**—New species of *Achatina*, with Remarks on the Ti, or the *Dracena Terminalis* of the Sandwich Islands: by JACOB GREEN, A. M. (From Contributions to the Maclurian Lyceum of the Arts and Sciences, vol. i, No. 2. Philadelphia, July, 1827.)

Pa.	Pl.	Fig.	
47	iv	1–4	<i>Achatina Stewartii</i> Green.
49	iv	5	<i>Oahuensis</i> Green.

**Green.**—Remarks on *Achatina Stewartii*: by J. GREEN, &c. (From same as last, vol. i, No. 3, p. 66. Jan. 1829.)

Page.		
87	<i>Achatina lugubris</i> .	<i>Helix luteolata</i> Fer.
	<i>Helix lugubris</i> Ch.	<i>fulpina</i> Fer.
	<i>lorata</i> Fer.	<i>Achatina Stewartii</i> Green.

**Green.**—Notes of a Naturalist. Remarks upon some of the Marine Animals which inhabit the North Atlantic Ocean: by JACOB GREEN, M. D. (In Doughty’s Cabinet of Natural History, vol. i, 251. Philadelphia, 1830.)

Page.	
251	<i>Cleodora lanceolata</i> Per. and Le S.
252	<i>Velela Atlantica</i> Green = <i>V. mutica</i> ?
252	<i>Janthina globosa</i> ?

**Rafinesque.**—Two new bivalve fluviatile Shells of South America: by C. S. RAFINESQUE. (From the Atlantic Journal and Friend of Knowledge, No. 4. Philadelphia, 1832.)

## Page.

154	<i>Anodonta aperta Raf.</i>	River Parana above Buenos Ayres.
154	<i>paphos Raf.</i>	River Parana above Buenos Ayres.

**Rafinesque.**—On three new genera of Land Shells from Buenos Ayres, in South America: by C. S. RAFINESQUE. (From same as last, No. 5, p. 165. 1833.)

## Page.

165	<i>Simphalomphix Raf. (n. g.)</i>	
165	<i>bonariensis Raf.</i>	Buenos Ayres.
165	<i>Stegomphix Raf. (n. g.)</i>	
165	<i>elegans (Cyclostoma) Raf.</i>	Buenos Ayres.
165	<i>Diplicaria Raf. (n. g.)</i>	
165	<i>bonariensis Raf.</i>	Buenos Ayres.

**Rafinesque.**—On five new Fresh-Water Shells of Bengal and Assam, in Asia: by C. S. RAFINESQUE. (From same as last.)

## Page.

165	<i>Planorbis albescens Raf.</i>	Page.	166	<i>Melania tessula Raf.</i>
165	<i>Paludina vitula Raf.</i>		166	<i>costula Raf. Ganges.</i>
165	<i>fragilis Raf.</i>			

**Say.**—Catalogue of Exotic Shells, &c., vide p. 274.

[I do not quote this list, as it is not strictly a work on descriptive Conchology.—W. G. B.]

**Coates.**—Reminiscences of a Voyage to India: by REYNELL COATES, M. D.

[Familiar notices are given of Mollusca. First published in the "Friend." Also published in Philadelphia, 1833, together with Godman's "Rambles of a Naturalist."—W. G. B.]

**Hunt.**—The Cabinet of Nature and Philosophy. Book the First—The Cabinet of Shells: by WILLIAM HUNT, M. D. With four plates. Boston and New York, 1833.

[This work contains descriptions of Classes, Orders, and Genera, with a figure of each genus, and a glossary. There are no descriptions of species.—W. G. B.]

**Jay.**—Catalogue, &c. &c.: by J. C. JAY, M. D. Vide pp. 46, 53, 64, 172, 212, 214, 215. Second edition. 1836.

[The American species are already given. The various editions must be consulted by the student for the numerous foreign species and their synonymy. Descriptions of the following are given.—W. G. B.]

Pa.	Pl.	Fig.		
81	i	1	<i>Pupa ringens Jay.</i>	Brazil.
81	i	4	<i>egregia Jay.</i>	Brazil.
81	i	2	<i>Megaspira Ruschenbergiana Lea.</i>	Brazil.
82	i	3	<i>Bulimus melanostomus.</i>	Brazil?
			<i>B. Dufresnii Wood's Supplement.</i>	
83	ii	5	<i>Cerithium magnum Jay.</i>	
83	ii	6	<i>Ranella.</i>	
85	iii	7	<i>Ampullaria angulata Jay.</i>	Mexico.
85	iii	8	<i>ochracea Jay.</i>	Spanish Main.
85	iii	9	<i>Helix speciosa Jay.</i>	
87	iv	10	<i>Natica imperforata Jay.</i>	
87	iv	11	<i>Neritina papillosa Jay.</i>	

**Jay.**—The same. Third edition. (See p. 218.)

Pa.	Pl.	Fig.		
111	i	1	<i>Bulimus cinctus Jay.</i>	Calcutta.
111	i	2, 3	<i>Turbo rotelliformis Jay.</i>	South Seas.
112	i	4	<i>Ampullaria Brownii Jay.</i>	Amazon.
112	i	5	<i>Storeria Jay.</i>	Amazon.
112	i	6, 7	<i>Helix planorbis Jay.</i>	Togobo Island.
113	i	12, 13	<i>Nucula Eightsi Couth.</i>	N. S. Shetland.
113	i	14, 15	<i>Venerupis Peruviana Jay.</i>	Peru.
113	i	16	<i>Fissurella nigrita ? Sowb.</i>	Tiger Bay.
114	i	21	<i>Helix denticulata Jay.</i>	
115	ii	5	<i>Cerithium marmoratum Quoy &amp; Guim.</i>	New Holland?
115	ii	6	<i>Ranella pulchra Gray.</i>	East Indies.
			<i>Biplex perca Perry.</i>	

Pa.	Pl.	Fig.		
116	iii	8	<i>Ampullaria ochracea</i> Jay.	Spanish Main.
116	iii	9	<i>Helix speciosa</i> Jay.	
117	iv	10	<i>Natica fluctuata</i> Sowb. <i>N. imperforata</i> Jay.	
117	iv	11	<i>Neritina granosa</i> Sowb. <i>N. papillosa</i> Jay.	Sandwich Isl'ds.
119	vi	1	<i>Bullimus ustulatus</i> Jay.	
119	vi	2	<i>aurora</i> Jay.	
119	vi	3	<i>Achatina bicolor</i> Jay.	
120	vi	4	<i>Bullimus virgatus</i> Jay.	
120	vi	5	<i>porraceus</i> Jay.	
120	vi	6,7	<i>Pandora striata</i> Quoy & Guim.	New Zealand.
121	vii	1	<i>Bullimus tristis</i> Jay.	Zanzibar.
121	vii	2,3	<i>Conus rhododendron</i> Couth.	Australasia.
122	vii	4,5	<i>Cyclostoma Cumingii</i> Sowb.	Tumaco Island.
122	vii	6	<i>Bullimus dubiosus</i> Jay.	Brazil?
122	vii	7,8	<i>Cyclostoma multicarinata</i> Jay.	
122	vii	9,10	<i>maculosa</i> Jay.	
123	vii	12,13	<i>multilineata</i> Jay.	
124	viii, ix		<i>Dolium melanostomum</i> Jay.	Friendly Isl'ds.
126	x	1,2	<i>Voluta armata</i> Lam.	

**Ruschenberger.**—A Voyage Round the World, including an Embassy to Muscat and Siam, in 1835-7: by W. S. W. RUSCHENBERGER, M. D., U. S. N. Philadelphia, 1838.

## Page.

21	Notes on <i>Janthina fragilis</i> , &c.
447	<i>Tridacna gigas</i> &c.

**Dr. J. C. Jay.**—Reports on the Shells and Minerals presented by Dr. Brickerhoff to the New York Lyceum of Natural History. (From Silliman's Journal, o. s., vol. xxxviii, No. 1, pp. 198-201. Oct.-Dec., 1839.)

[A catalogue of species is given, without descriptions or localities. The paper is quoted by Carus and Engelmann, under the authorship of Brickerhoff.—W. G. B.]

**Couthouy.**—Vide p. 64.

## Page.

383	<i>Thracia pubescens</i> Leach, &c.	<i>Mya pubescens</i> Pult.
	<i>Mya declivis</i> Pennant, &c.	<i>Thracia pubescens</i> Blainv.
	<i>Anatina declivis</i> Brown, &c.	<i>Anatina myalis</i> Lam.



Page.		Page.	
383	<b>Thracia convexa</b> <i>Couthouy.</i> <i>Mya declivis</i> Pennant. <i>convexa</i> Wood. <i>Anatina convexa</i> Turt. <i>Ligula distorta</i> Mont?	383	<b>Thracia phaseolina</b> <i>Kien.</i> <i>Amphidesma phaseolina</i> <i>La.</i>
383	<b>corbuloides</b> <i>Desh. &amp;c.</i>	383	<b>similis</b> <i>Couth.</i> Rio Janeiro.
383	<b>plicata</b> <i>Desh. &amp;c.</i>	384	<b>Periploma trapezoides</b> <i>Des.</i> <i>P. inaequalis</i> <i>Schum.</i> <i>Anatina trapezoida</i> <i>Lam.</i> <i>Osteodesma trapezoidalis</i> <i>Bl.</i>

**Rafinesque.**—On the three genera of Cephalopodes—*Ocythoe*, *Todarus* and *Anisoctus*. From the Good Book and Amenities of Nature; or Annals of Historical and Natural Sciences: by C. S. RAFINESQUE, A. M., Ph.D. Philadelphia, 1840.

## Notes on—

Page.		Page.	
63	<b>Ocythoe</b> <i>Raf.</i>		<i>Loligo todarus</i> <i>Raf.</i>
63	<b>Todarus</b> <i>Raf.</i>	65	<i>Canopus</i> <i>Raf.</i> = <b>Anisoctus</b> <i>Raf.</i>
63	<b>Anisoctus</b> <i>Raf.</i>	65	<b>Anisoctus punctatus</b> <i>Raf.</i>
63	<b>Ocythoe tuberculata</b> <i>Raf.</i>	65	<b>bicolor</b> <i>Raf.</i>
64	<b>Todarus argo</b> <i>Raf.</i> Mediterranean Sea.		

[References are made to figures, but I find no plates in the copy belonging to the Philadelphia Academy.—W. G. B.]

**Adams.**—Catalogue of the genera and species of Recent Shells in the collection of C. B. ADAMS, A. M.

[The American species described in this Catalogue have already been given on page 325. I do not quote the foreign species, as no synonyms or descriptions are given, and rarely any particular locality.—W. G. B.]

**Adams.**—Notice of a fractured and repaired *Argonauta argo*: by C. B. ADAMS, Prof. &c. (From Silliman's Journal, n. s., vol. vi, p. 137. July, 1848.)

**Hancock.**—On the boring of Mollusca into Rocks and on the removal of Portions of their Shells: by A. HANCOCK. (Copied from Brit. Ass. Athen., No. 1086. In American Journ. Sc., n. s., vol. vii, p. 288. March, 1849.)

**Adams.**—Monograph of *Stoastoma*, a new genus of new operculated Land Shells: by C. B. ADAMS, A. M. Amherst, Mass. September, 1849.

Page.		Page.	
3	<i>Stoastoma Ad.</i>	10	<i>Chittyanum Ad.</i> Jamaica.
5	<i>Gouldianum Ad.</i> Jamaica.	11	<i>pisum Ad.</i> Jamaica.
6	<i>Blandianum Ad.</i> Jamaica.	12	<i>Lindsleyanum Ad.</i> Jamaica.
7	<i>Fadyenianum Ad.</i> Jamaica.	13	<i>Redfieldianum Ad.</i> Jamaica.
8	<i>Pfeifferianum Ad.</i> Jamaica.	14	<i>Jayanum Ad.</i> Jamaica.
9	<i>Cumingianum Ad.</i> Jamaica.	15	<i>Leanum Ad.</i> Jamaica.

**Adams.**—Monograph of *Vitrinella*, a new genus of new species of Turbinidæ: by C. B. ADAMS. Amherst, Mass. Feb. 1850.

Page.		
3	<i>Vitrinella Adams.</i>	
5	<i>hyalina Adams.</i>	Port Royal, Jamaica.
6	<i>interrupta Adams.</i>	Port Royal, Jamaica.
7	<i>megastoma Adams.</i>	Port Royal, Jamaica.
8	<i>tinota Adams.</i>	Port Royal, Jamaica.
9	<i>helicoidea Adams.</i>	Port Royal, Jamaica.

**Adams.**—Remarks on the Distribution of the Testaceous Mollusca of Jamaica: by Prof. C. B. ADAMS. (From American Association for the Advancement of Science, second meeting, p. 147. Boston, 1850.)

**Redfield.**—Catalogue of Operculated Land Shells in the collection of JOHN H. REDFIELD. New York, July 1st, 1850, and

**Redfield.**—Catalogue of Marginellidæ in the collection of JOHN H. REDFIELD. January 1st, 1851.

[No descriptions being given, I do not repeat these Catalogues.—W. G. B.]

**Caillaud.**—On the perforation of rocks by *Pholades*: by M. F. CAILLAUD. (From American Journal of Science, n. s., vol. xiii, p. 287. March, 1852. Notice of a paper in Comptes Rendus, November 24, 1851, p. 572.)

**Adams, Chitty, Bland.**—Contributions to Conchology.  
Conducted by C. B. ADAMS, Prof., &c. Vol. i. New York,  
Oct. 1849—Nov. 1852.

No. 1.  
Sept. 1849.  
Page.

1 Descriptions of forty-four supposed new species and varieties of Oper-  
culated Land Shells from Jamaica: by Prof. C. B. ADAMS.

	Page.
1 <b>Cyclostoma Chittyi</b> <i>Ad.</i>	
1 <b>spinulosum</b> <i>Ad.</i>	9
2 <b>aculeosum</b> <i>Ad.</i>	9
2 <b>amabile</b> <i>Ad.</i>	9
3 <b>amandum</b> <i>Ad.</i>	10
3 <b>Blandianum</b> <i>Ad.</i>	10
3 <b>variabile</b> <i>Ad.</i>	10
4 <b>concentricum</b> <i>Ad.</i>	11
4 <b>serriferum</b> <i>Ad.</i>	11
4 <b>decussatulum</b> <i>Ad.</i>	11
4 <b>mirandum</b> <i>Ad.</i>	11
5 <b>moribundum</b> <i>Ad.</i>	12
5 <b>intermedium</b> <i>Ad.</i>	12
5 <b>monstrosum</b> <i>Ad.</i>	12
6 <b>Wilkinsonii</b> <i>Ad.</i>	13
6 <b>avena</b> <i>Ad.</i>	13
6 <b>modestum</b> <i>Ad.</i>	13
7 <b>solidum</b> <i>Ad.</i>	13
7 <b>Augustæ</b> <i>Ad.</i>	13
8 <b>proximum</b> <i>Ad.</i>	14
8 <b>Newcombianum</b> <i>Ad.</i>	14
8 <b>nitens</b> <i>Ad.</i>	14
8 <b>tenuistriatum</b> <i>Ad.</i>	14
	9 <b>Cyclostoma ignilabre</b> <i>Ad.</i>
	9 <b>pisum</b> <i>Ad.</i>
	9 <b>hyacinthinum</b> <i>Ad.</i>
	10 <b>Redfieldianum</b> <i>Ad.</i>
	10 <b>tectilabre</b> <i>Ad.</i>
	10 <b>armatum</b> <i>Ad.</i>
	11 <b>muticum</b> <i>Ad.</i>
	11 <b>fecundum</b> <i>Ad.</i>
	11 <b>var. distinctum</b> <i>Ad.</i>
	11 <b>aurora</b> <i>Ad.</i>
	12 <b>mordax</b> <i>Ad.</i>
	12 <b>quinque-fasciatum</b> <i>Ad.</i>
	12 <b>crenulosum</b> <i>Ad.</i>
	13 <b>pauperatum</b> <i>Ad.</i>
	13 <b>Helicina palliata</b> <i>Ad.</i>
	13 <b>Hollandi</b> <i>Ad.</i>
	13 <b>macilenta</b> <i>Ad.</i>
	13 <b>albolabris</b> <i>Ad.</i>
	14 <b>citrino-labris</b> <i>Ad.</i>
	14 <b>megastoma</b> <i>Ad.</i>
	14 <b>Josephinæ</b> (Trochatella).
	14 <b>tenuis</b> (Trochatella).

15 Catalogue of Operculated Land Shells which inhabit Jamaica.

15 <b>Cyclostoma pulorum</b> <i>Wood.</i>	15 <b>Cyclostoma Blandianum</b>
15 <b>fimbriatulum</b> <i>Sowb.</i>	15 <b>lincinellum</b> <i>Lam.</i> [Ad.]
15 <b>Chittyi</b> <i>Ad.</i>	15 <b>variabile</b> <i>Ad.</i>
15 <b>aculeosum</b> <i>Ad.</i>	15 <b>concentricum</b> <i>Ad.</i>
15 <b>spinulosum</b> <i>Ad.</i>	15 <b>Grayanum</b> <i>Ad.</i>
15 <b>amandum</b> <i>Ad.</i>	15 <b>serriferum</b> <i>Ad.</i>
15 <b>Hillianum</b> <i>Ad.</i>	15 <b>pulchrius</b> <i>Ad.</i>
15 <b>amabile</b> <i>Ad.</i>	15 <b>articulatum</b> <i>Sowb.</i>
15 <b>scabriculum</b> <i>Sowb.</i>	15 <b>decussatulum</b> <i>Ad.</i>
15 <b>lincinum</b> <i>Linn.</i>	15 <b>mirandum</b> <i>Ad.</i>
15 <b>lima</b> <i>Ad.</i>	15 <b>moribundum</b> <i>Ad.</i>

## [Contributions to Conchology.]

Page.		Page.	
15	<i>Cyclostoma intermedium</i>	16	<i>Cyclostoma asperulum</i> <i>Sb.</i>
15	<i>monstrosum</i> <i>Ad.</i> [ <i>Ad.</i>	16	<i>Helicina palliata</i> <i>Ad.</i>
15	<i>Wilkinsonii</i> <i>Ad.</i>	16	<i>Brownii</i> <i>Gray.</i>
15	<i>avena</i> <i>Ad.</i>	16	<i>Hollandi</i> <i>Ad.</i>
15	<i>modestum</i> <i>Ad.</i>	16	<i>macilentia</i> <i>Ad.</i>
15	<i>ambiguum</i> <i>Lam.</i>	16	<i>maxima</i> <i>Sowb.</i>
15	<i>thysanoraphe</i> <i>Sowb.</i>	16	<i>albolabris</i> <i>Ad.</i>
15	<i>pictum</i> <i>Humph.</i>	16	<i>citrino-labris</i> <i>Ad.</i>
15	<i>solidum</i> <i>Ad.</i>	16	<i>solitaria</i> <i>Ad.</i>
15	<i>labeo</i> <i>Lam.</i>	16	<i>affinis</i> <i>Ad.</i>
15	<i>Augustæ</i> <i>Ad.</i>	16	<i>megastoma</i> <i>Ad.</i>
15	<i>fascia</i> <i>Gray.</i>	16	<i>Gossei</i> <i>Pfr.</i>
15	<i>proximum</i> <i>Ad.</i>	16	<i>Adamsiana</i> <i>Pfr.</i>
15	<i>Newcombianum</i> <i>Ad.</i>	16	<i>depressa</i> <i>Gray.</i>
15	<i>nitens</i> <i>Ad.</i>	16	<i>lineata</i> <i>Ad.</i>
15	<i>xanthostoma</i> <i>Sowb.</i>	16	<i>neritella</i> <i>Lam.</i>
15	<i>tenuistriatum</i> <i>Ad.</i>	16	<i>aurantia</i> <i>Gray.</i>
15	<i>ignilabre</i> <i>Ad.</i>	16	<i>Jamaicensis</i> <i>Sowb.</i>
15	<i>pisum</i> <i>Ad.</i>	16	<i>costata</i> <i>Sowb.</i>
15	<i>Bronnii</i> <i>Ad.</i>	16	<i>Trochatella Tankervillei</i>
15	<i>fuscolineatum</i> <i>Ad.</i>	16	<i>pulchella</i> <i>Gray.</i> [ <i>Gray.</i>
15	<i>album</i> <i>Lam.</i>	16	<i>Grayana</i> <i>Pfr.</i>
15	<i>hyacinthinum</i> <i>Ad.</i>	16	<i>Josephinæ</i> <i>Ad.</i>
15	<i>Banksianum</i> <i>Sowb.</i>	16	<i>tenuis</i> <i>Ad.</i>
15	<i>Redfieldianum</i> <i>Ad.</i>	16	<i>Lucidella aureola</i> <i>Gray.</i>
15	<i>tectilabre</i> <i>Ad.</i>	16	<i>Stoastoma Gouldianum</i>
15	<i>pauperatum</i> <i>Ad.</i>	16	<i>Blandianum</i> <i>Ad.</i> [ <i>Ad.</i>
15	<i>crenulosum</i> <i>Ad.</i>	16	<i>Fadyenianum</i> <i>Ad.</i>
15	<i>quinquefasciatum</i> <i>Ad.</i>	16	<i>Pfeifferianum</i> <i>Ad.</i>
16	<i>Sauliæ</i> <i>Sowb.</i>	16	<i>Cumingianum</i> <i>Ad.</i>
16	<i>mordax</i> <i>Ad.</i>	16	<i>Chittyianum</i> <i>Ad.</i>
16	<i>maritimum</i> <i>Ad.</i>	16	<i>pisum</i> <i>Ad.</i>
16	<i>aurora</i> <i>Ad.</i>	16	<i>Lindsleyanum</i> <i>Ad.</i>
16	<i>fecundum</i> <i>Ad.</i>	16	<i>Redfieldianum</i> <i>Ad.</i>
16	<i>Adamsi</i> <i>Pfr.</i>	16	<i>Jayanum</i> <i>Ad.</i>
16	<i>muticum</i> <i>Ad.</i>	16	<i>Leanum</i> <i>Ad.</i>
16	<i>armatum</i> <i>Ad.</i>	16	<i>Truncatella costata</i> <i>Pfr.</i>
16	<i>Duffanum</i> <i>Ad.</i>	16	<i>Adamsi</i> <i>Pfr.</i>
16	<i>corrugatum</i> <i>Sowb.</i>	16	<i>succinea</i> <i>Ad.</i>
16	<i>Jamaicense</i> <i>Sowb.</i>		

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17 Descriptions of supposed new species and varieties of Helicidæ from  
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Page.	Page.
17 <i>Geomelania Pfr.</i>	25 <i>Achatina nemorensis Ad.</i>
18 <i>Jamaicensis Pfr.</i>	25 <i>ligata Ad.</i>
18 <i>minor Ad.</i>	25 <i>anglostoma Ad.</i>
18 <i>expansa Ad.</i>	25 <i>Ingallsiana Ad.</i>
18 <i>elegans Ad.</i>	26 <i>unicolor Ad.</i>
19 <i>Cylindrella Beardsleyana</i>	26 <i>levis Ad.</i>
19 <i>Agnesiana Ad.</i> [Ad.]	26 <i>micans Ad.</i>
20 <i>alba Ad.</i>	26 <i>striosa Ad.</i>
20 <i>costulata Ad.</i>	26 <i>inuitata Ad.</i>
20 <i>montana Ad.</i>	27 <i>Bulimus nitidiusculus Ad.</i>
21 <i>Gravesii Ad.</i>	27 <i>pauperculus Ad.</i>
21 <i>ambigua Ad.</i>	28 <i>terebella Ad.</i>
21 <i>rosea Pfr.</i>	28 <i>anomalus Ad.</i>
21 <i>var. magna Ad.</i>	28 <i>minimus Ad.</i>
21 <i>var. major Ad.</i>	28 <i>monodon Ad.</i>
21 <i>aspera Ad.</i>	28 <i>mirabilis Ad.</i>
22 <i>columna Ad.</i>	29 <i>Helix patina Ad.</i>
22 <i>var. intermedia Ad.</i>	29 <i>fluctuata Ad.</i>
22 <i>C. rosea Ad. = C. carnea Ad.</i>	29 <i>cara Ad.</i>
22 <i>Cylindrella carnea (var.)</i>	30 <i>Chittyana Ad.</i>
<i>cerina.</i>	30 <i>picturata Ad.</i>
22 <i>inornata Ad.</i>	30 <i>strangulata Ad.</i>
22 <i>simplex Ad.</i>	31 <i>torrefacta Ad.</i>
23 <i>Hydeana Ad.</i>	31 <i>epistylulum Ad.</i>
23 <i>C. cylindrus Ad. = C. rubra</i>	31 <i>pila Ad.</i>
23 <i>Cylindrella similis Ad.</i> [Ad.]	31 <i>lamellifera Ad.</i>
23 <i>tenella Ad.</i>	32 <i>graminicola Ad.</i>
23 <i>tenera Ad.</i>	32 <i>MacMurrayi Ad.</i>
24 <i>Achatina procera Ad.</i>	32 <i>munda Ad.</i>
25 <i>elegans Ad.</i>	

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33 Descriptions of supposed new Helicidæ from Jamaica.

33 <i>Helix tunicata Ad.</i>	35 <i>Helix brevis Ad.</i>
33 <i>sulphurea Ad.</i>	35 <i>simulans Ad.</i>
33 <i>virginea Ad.</i>	35 <i>fuscula Ad.</i>
34 <i>fuscocincta Ad.</i>	36 <i>diminuta Ad.</i>
34 <i>similis Ad.</i>	36 <i>apex Ad.</i>
34 <i>Hollandi Ad.</i>	36 <i>immunda Ad.</i>
35 <i>ambigua Ad.</i>	36 <i>perdepressa Ad.</i>
35 <i>Anthoniana Ad.</i>	36 <i>angustispira Ad.</i>

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37	<b>Helix inconspicua</b> <i>Ad.</i>	38	<b>Pupa exilis</b> <i>Ad.</i>
37	<b>Pupa Jamaicensis</b> <i>Ad.</i>	38	<b>Succinea latior</b> <i>Ad.</i>
37	<b>lata</b> <i>Ad.</i>	38	<b>angustior</b> <i>Ad.</i>
37	<b>hexodon</b> <i>Ad.</i>		
39 Catalogue of species and varieties of Helicids which inhabit Jamaica.			
39	<b>Geomelania Jamaicensis</b>	39	<b>Cylindrella rubra</b> <i>Ad.</i>
39	<b>minor</b> <i>Ad.</i> [Pfr.]	39	<b>Dunkeri</b> <i>Pfr.</i>
39	<b>expansa</b> <i>Ad.</i>	39	<b>similis</b> <i>Ad.</i>
39	<b>elegans</b> <i>Ad.</i>	39	<b>tenella</b> <i>Ad.</i>
39	<b>Cylindrella pygmaea</b> <i>Ad.</i>	39	<b>tenera</b> <i>Ad.</i>
39	<b>Beardsleana</b> <i>Ad.</i>	39	<b>Achatina ligata</b> <i>Ad.</i>
39	<b>gracilis</b> <i>Wood.</i>	39	<b>Jamaicensis</b> <i>Pfr.</i>
39	<b>elongata</b> <i>Chemn.</i>	39	<b>procera</b> <i>Ad.</i>
39	<b>Agnesiiana</b> <i>Ad.</i>	39	<b>Griffithii</b> <i>Ad.</i>
39	<b>alba</b> <i>Ad.</i>	39	<b>Phillipiana</b> <i>Pfr.</i>
39	<b>Gossei</b> <i>Pfr.</i>	39	<b>elegans</b> <i>Ad.</i>
39	<b>seminuda</b> <i>Ad.</i>	39	<b>venusta</b> <i>Pfr.</i>
39	<b>costulata</b> <i>Ad.</i>	39	<b>leucozonias</b> <i>Walch.</i>
39	<b>subula</b> <i>Fer.</i>	39	<b>Dominicensis</b> <i>Gmel.</i>
39	<b>alabastrina</b> <i>Pfr.</i> [Pfr.]	39	<b>curvilabris</b> <i>Pfr.</i>
39	<b>Humboldtiana</b> (var. $\beta$ .)	39	<b>anglostoma</b> <i>Ad.</i>
39	<b>variegata</b> (var. $\gamma$ .) <i>Pfr.</i>	39	<b>Ingallsiana</b> <i>Ad.</i>
39	<b>montana</b> <i>Ad.</i>	39	<b>unicolor</b> <i>Ad.</i>
39	<b>Gravesii</b> <i>Ad.</i>	39	<b>nemorensis</b> <i>Ad.</i>
39	<b>rosea</b> <i>Pfr.</i>	39	<b>Phillipsii</b> <i>Ad.</i>
39	var. <b>magna</b> <i>Ad.</i>	39	<b>arouata</b> <i>Pfr.</i>
39	var. <b>major</b> <i>Ad.</i>	40	<b>vicina</b> <i>Ad.</i>
39	<b>ambigua</b> <i>Ad.</i>	40	<b>propinqua</b> <i>Ad.</i>
39	<b>cylindrus</b> <i>Chemn.</i>	40	<b>Gossei</b> <i>Pfr.</i>
39	<b>rubella</b> <i>Ad.</i>	40	<b>costulata</b> <i>Ad.</i>
39	<b>aspera</b> <i>Ad.</i>	40	<b>aberrans</b> <i>Pfr.</i>
39	<b>obesa</b> <i>Ad.</i>	40	<b>pellucens</b> <i>Ad.</i>
39	<b>brevis</b> <i>Pfr.</i>	40	<b>levis</b> <i>Ad.</i>
39	<b>columna</b> <i>Ad.</i>	40	<b>micans</b> <i>Ad.</i>
39	var. <b>intermedia</b> <i>Ad.</i>	40	<b>iota</b> <i>Ad.</i>
39	<b>nobilior</b> <i>Ad.</i>	40	<b>octona</b> <i>Chemn.</i>
39	<b>carnea</b> <i>Ad.</i>	40	<b>striosa</b> <i>Ad.</i>
39	var. <b>cerina</b> <i>Ad.</i>	40	<b>inuitata</b> <i>Ad.</i>
39	<b>sanguinea</b> <i>Pfr.</i>	40	<b>Bulimus minimus</b> <i>Ad.</i>
39	<b>Maugeri</b> <i>Wood.</i>	40	<b>striatellus</b> <i>Ad.</i>
39	<b>incornata</b> <i>Ad.</i>	40	<b>terebella</b> <i>Ad.</i>
39	<b>simplex</b> <i>Ad.</i>	40	<b>pauperculus</b> <i>Ad.</i>
39	<b>Hydeana</b> <i>Ad.</i>	40	<b>octonoides</b> <i>Ad.</i>

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17 <i>Geomelania Pfr.</i>	
18 <i>Jamaicensis Pfr.</i>	25
18 <i>minor Ad.</i>	25
18 <i>expansa Ad.</i>	25
18 <i>elegans Ad.</i>	25
19 <i>Cylindrella Beardseleyana</i>	26
19 <i>Agnesiana Ad.</i> [Ad.]	26
20 <i>alba Ad.</i>	26
20 <i>costulata Ad.</i>	26
20 <i>montana Ad.</i>	26
21 <i>Gravesii Ad.</i>	27
21 <i>ambigua Ad.</i>	27
21 <i>rosea Pfr.</i>	28
21 <i>var. magna Ad.</i>	28
21 <i>var. major Ad.</i>	28
21 <i>aspera Ad.</i>	28
22 <i>columna Ad.</i>	29
22 <i>var. intermedia Ad.</i>	29
22 <i>C. rosea Ad. = C. carnea Ad.</i>	29
22 <i>Cylindrella carnea (var.) cerina.</i>	29
22 <i>inornata Ad.</i>	30
22 <i>simplex Ad.</i>	30
23 <i>Hydeana Ad.</i>	30
23 <i>C. cylindrus Ad. = C. rubra</i>	31
23 <i>Cylindrella similis Ad.</i> [Ad.]	31
23 <i>tenella Ad.</i>	31
23 <i>tenera Ad.</i>	32
24 <i>Achatina procera Ad.</i>	32
25 <i>elegans Ad.</i>	32
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33 Descriptions of supposed new Helicidæ from Jamaica.

33 <i>Helix tunicata Ad.</i>	35	35 <i>Helix brevis Ad.</i>
33 <i>sulphurea Ad.</i>	35	35 <i>simulans Ad.</i>
33 <i>virginea Ad.</i>	35	35 <i>fuscula Ad.</i>
34 <i>fuscocincta Ad.</i>	36	36 <i>diminuta Ad.</i>
34 <i>similis Ad.</i>	36	36 <i>apex Ad.</i>
34 <i>Hollandi Ad.</i>	36	36 <i>immunda Ad.</i>
35 <i>ambigua Ad.</i>	36	36 <i>perdepressa Ad.</i>
35 <i>Anthonia Ad.</i>	36	36 <i>angustispira Ad.</i>

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Page.		Page.	
37	<i>Helix inconspicua Ad.</i>	38	<i>Pupa exilis Ad.</i>
37	<i>Pupa Jamaicensis Ad.</i>	38	<i>Succinea latior Ad.</i>
37	<i>lata Ad.</i>	38	<i>angustior Ad.</i>
37	<i>hexodon Ad.</i>		
39 Catalogue of species and varieties of Helicidae which inhabit Jamaica.			
39	<i>Geomelania Jamaicensis</i>	39	<i>Cylindrella rubra Ad.</i>
39	<i>minor Ad.</i> [Pfr.]	39	<i>Dunkeri Pfr.</i>
39	<i>expansa Ad.</i>	39	<i>similis Ad.</i>
39	<i>elegans Ad.</i>	39	<i>tenella Ad.</i>
39	<i>Cylindrella pygmaea Ad.</i>	39	<i>tenera Ad.</i>
39	<i>Beardsleana Ad.</i>	39	<i>Achatina ligata Ad.</i>
39	<i>gracilis Wood.</i>	39	<i>Jamaicensis Pfr.</i>
39	<i>elongata Chemn.</i>	39	<i>procera Ad.</i>
39	<i>Agnesiana Ad.</i>	39	<i>Griffithii Ad.</i>
39	<i>alba Ad.</i>	39	<i>Phillipiana Pfr.</i>
39	<i>Gossel Pfr.</i>	39	<i>elegans Ad.</i>
39	<i>seminuda Ad.</i>	39	<i>venusta Pfr.</i>
39	<i>costulata Ad.</i>	39	<i>leucozonias Walck.</i>
39	<i>subula Fer.</i>	39	<i>Dominicensis Gmel.</i>
39	<i>alabastrina Pfr.</i> [Pfr.]	39	<i>curvilabris Pfr.</i>
39	<i>Humboldtiana (var. <math>\beta</math>.)</i>	39	<i>anglostoma Ad.</i>
39	<i>variegata (var. <math>\gamma</math>.) Pfr.</i>	39	<i>Ingallsiana Ad.</i>
39	<i>montana Ad.</i>	39	<i>unicolor Ad.</i>
39	<i>Gravesii Ad.</i>	39	<i>nemorensis Ad.</i>
39	<i>rosea Pfr.</i>	39	<i>Phillipsii Ad.</i>
39	<i>var. magna Ad.</i>	39	<i>arcuata Pfr.</i>
39	<i>var. major Ad.</i>	40	<i>vicina Ad.</i>
39	<i>ambigua Ad.</i>	40	<i>propinqua Ad.</i>
39	<i>cylindrus Chemn.</i>	40	<i>Gossel Pfr.</i>
39	<i>rubella Ad.</i>	40	<i>costulata Ad.</i>
39	<i>aspera Ad.</i>	40	<i>aberrans Pfr.</i>
39	<i>obesa Ad.</i>	40	<i>pellucens Ad.</i>
39	<i>brevis Pfr.</i>	40	<i>levis Ad.</i>
39	<i>columna Ad.</i>	40	<i>micans Ad.</i>
39	<i>var. intermedia Ad.</i>	40	<i>iota Ad.</i>
39	<i>nobilior Ad.</i>	40	<i>octona Chemn.</i>
39	<i>carnea Ad.</i>	40	<i>striosa Ad.</i>
39	<i>var. cerina Ad.</i>	40	<i>inuitata Ad.</i>
39	<i>sanguinea Pfr.</i>	40	<i>Bulimus minimus Ad.</i>
39	<i>Maugeri Wood.</i>	40	<i>striatellus Ad.</i>
39	<i>inornata Ad.</i>	40	<i>terebella Ad.</i>
39	<i>simplex Ad.</i>	40	<i>pauperculus Ad.</i>
39	<i>Hydeana Ad.</i>	40	<i>octonoides Ad.</i>



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40	<i>Bulimus pallidus</i> Ad.	40	<i>Helix angustata</i> Fer.
40	<i>monodon</i> Ad.	40	<i>Cubensis</i> (var. 3) Pfr.
40	<i>nitidiusculus</i> Ad.	41	<i>tunicata</i> Ad.
40	<i>læviusculus</i> Ad.	41	<i>sulphurea</i> Ad.
40	<i>subula</i> Pfr. (errata p. 48.)	41	<i>Mac Murrayi</i> Ad.
40	<i>rufescens</i> Gray.	41	<i>munda</i> Ad.
40	<i>erubescens</i> Pfr.	41	<i>tenerrima</i> Ad.
40	<i>immaculatus</i> Ad.	41	<i>graminicola</i> Ad.
40	<i>zebra</i> Müll.	41	<i>nemoraloides</i> Ad.
40	<i>anomalus</i> Ad.	41	<i>Gossei</i> Pfr.
40	<i>mirabilis</i> Ad.	41	<i>subconica</i> Ad.
40	<i>Pupa fallax</i> (?) Say.	41	<i>fuscocincta</i> Ad.
40	<i>lata</i> Ad.	41	<i>virginea</i> Ad.
40	<i>contracta</i> (?) Say.	41	<i>fuscula</i> Ad.
40	<i>tenuidens</i> Ad.	41	<i>immunda</i> Ad.
40	<i>hexodon</i> Ad.	41	<i>ptychodes</i> Pfr.
40	<i>servilis</i> Gould.	41	<i>perdepressa</i> Ad.
40	<i>Jamaicensis</i> Ad.	41	<i>depressa</i> Ad.
40	<i>exilis</i> Ad.	41	<i>sincera</i> Ad.
40	<i>striatella</i> (?) Fer.	41	<i>diminuta</i> Ad.
40	<i>Succinea angustior</i> Ad.	41	<i>apex</i> Ad.
40	<i>Sagra</i> Orb.	41	<i>inconspicua</i> Ad.
40	<i>latior</i> Ad.	41	<i>peraffinis</i> Ad.
40	<i>contorta</i> Ad.	41	<i>Boothiana</i> Pfr.
40	<i>Helix Martiniana</i> Pfr.	41	<i>turbiniiformis</i> Pfr.
40	<i>peracutissima</i> Ad.	41	<i>Anthoniana</i> Ad.
40	<i>soror</i> Fer.	41	<i>angustispira</i> Ad.
40	<i>cara</i> Ad.	41	<i>ambigua</i> Ad.
40	<i>Chittyana</i> Ad.	41	<i>brevis</i> Ad.
40	<i>patina</i> Ad.	41	<i>Hollandi</i> Ad.
40	<i>fluctuata</i> Ad.	41	<i>arboresoides</i> Ad.
40	<i>acutissima</i> Lam.	41	<i>similis</i> Ad.
40	<i>Bainbridgii</i> Pfr.	41	<i>lamellifera</i> Ad.
40	<i>Spengleriana</i> Pfr.	41	<i>pila</i> Ad.
40	<i>lucerna</i> Müll.	41	<i>Cookiana</i> Gmel.
40	<i>Okeniana</i> Pfr.	41	<i>torrefacta</i> Ad.
40	<i>tridentina</i> Fer.	41	<i>epistylulum</i> Ad.
40	<i>Bronnii</i> Pfr.	41	<i>epistylum</i> Müll.
40	<i>picturata</i> Ad.	41	<i>epistylroides</i> Fer.
40	<i>sinuata</i> Müll.	41	<i>simulans</i> Ad.
40	<i>strangulata</i> Ad.	41	<i>dioscorticola</i> Ad.
40	<i>anomala</i> Pfr.	41	<i>Proserpina nitida</i> Sowb.
40	<i>aspera</i> Fer.	41	<i>opalina</i> Ad.
40	<i>Jamaicensis</i> Chemn.		

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- 41 New Auriculidæ which inhabit Jamaica: by Prof. C. B. ADAMS.
- 41 *Melampus coronatus* Ad.  
41 *Pedipes ovalis* Ad.
- 42 Catalogue of Auriculidæ which inhabit Jamaica.
- |                                     |                                   |
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| 42 <i>Melampus coniformis</i> Brug. | 42 <i>Melampus coronatus</i> Ad.  |
| 42 <i>flavus</i> Gmel.              | 42 <i>cingulatus</i> Pfr.         |
| <i>Auricula monile</i> Lam.         | 42 <i>Pedipes quadridens</i> Pfr. |
| 42 <i>pusillus</i> Gmel.            | 42 <i>ovalis</i> Ad.              |
| <i>Auricula nitens</i> Lam.         |                                   |
- 42 Descriptions of supposed new species of Fresh Water Shells which inhabit Jamaica: by Prof. C. B. ADAMS.
- |                                    |                                   |
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| 42 <i>Paludina Jamaicensis</i> Ad. | 43 <i>Planorbis decipiens</i> Ad. |
| 42 <i>Valvata pygmæa</i> Ad.       | 44 <i>affinis</i> Ad.             |
| 43 <i>Planorbis Mac Nabianus</i>   | 44 <i>Cyclas Veatleyi</i> Ad.     |
| 43 <i>Redfieldi</i> Ad. [Ad.]      | 44 <i>pygmæa</i> Ad.              |
| 43 <i>Haldemani</i> Ad.            |                                   |
- 45 Catalogue of Fresh Water Shells which inhabit Jamaica: by Prof. C. B. ADAMS.
- |                                       |                                      |
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| 45 <i>Melanopsis lineolata</i> Gray.  | 45 <i>Planorbis dentiferus</i> Ad.   |
| 45 <i>Melania spinifera</i> Ad.       | 45 <i>pallidus</i> Ad.               |
| 45 <i>Valvata pygmæa</i> Ad.          | 45 <i>decipiens</i> Ad.              |
| 45 <i>Paludina rivularis</i> Ad.      | 45 <i>affinis</i> Ad.                |
| 45 <i>Jamaicensis</i> Ad.             | 45 <i>Ancylus obscurus</i> (?) Hald. |
| 45 <i>Ampularia fasciata</i> (?) Lam. | 45 <i>Physa Soverbyana</i> Orb.      |
| 45 <i>Planorbis Mac Nabianus</i>      | 45 <i>Limnæa umbilicata</i> Ad.      |
| 45 <i>Redfieldi</i> Ad. [Ad.]         | 45 <i>Cyclas pygmæa</i> Ad.          |
| 45 <i>Haldemani</i> Ad.               | 45 <i>Veatleyi</i> Ad.               |
- 45 Remarks on the distribution of the Terrestrial and Fresh Water Mollusca which inhabit Jamaica: by Prof. C. B. ADAMS. October, 1849. Read before the American Association for the Promotion of Science, August 16, 1849 (and published also in their Proc. vol. ii, p. 147, 1856.)
- No. 4.
- 49 Remarks on the distribution of the Terrestrial and Fresh Water Mollusca which inhabit Jamaica—*continued*.
- 50 *Cyclostoma solidum* Ad. non Menke = *C. Jayanum* Ad.

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51 Remarks on the weight of the Shells of certain species of Colima-  
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51	<i>Helicina lineata</i> Ad.	52	<i>Stoastoma Gouldianum</i> Ad.
51	<i>depressa</i> Gray.	52	<i>Cumingianum</i> Ad.
51	<i>affinis</i> Ad.	52	<i>Pfeifferianum</i> Ad.
51	<i>Adamsiana</i> Pfr.	52	<i>pisum</i> Ad.
51	<i>solitaria</i> Ad.	52	<i>Truncatella fusca</i> Phil.
51	<i>megastoma</i> Ad. ( <i>aurantia</i> Gray in errata.)	52	<i>Adamsi</i> Pfr.
51	<i>costata</i> Sowb.	52	<i>scalaris</i> Mich.
51	<i>hæmastoma</i> Moric.	52	<i>costellaris</i> (?) Risso.
51	<i>Jamaicensis</i> Sowb.	52	<i>succinea</i> Ad.
52	<i>neritella</i> Lam.	52	<i>Pedipes quadridens</i> Pfr.
52	<i>albolabris</i> Ad.	52	<i>Geomelania minor</i> Ad.
52	<i>maxima</i> Sowb.	52	<i>Cylindrella pygmaea</i> Ad.
52	<i>Trochatella tenuis</i> Ad.	52	<i>tenera</i> Ad.
52	<i>Josephinæ</i> Ad.	52	<i>Beardsleana</i> Ad.
52	<i>pulchella</i> Gray.	52	<i>Achatina iota</i> Ad.
52	<i>Tankervillei</i> Sowb.	52	<i>aberrans</i> Pfr.
52	<i>Lucidella aureola</i> Gray.	52	<i>Bulimus minimus</i> Ad.
52	<i>Stoastoma Blandianum</i> Ad.	52	<i>Helix apex</i> Ad.
52	<i>Redfieldianum</i> Ad.	52	<i>minuscula</i> Binney.
52	<i>Leanum</i> Ad.	52	<i>pulchella</i> Müll.
52	<i>Jayanum</i> Ad.	52	<i>Pupa Jamaicensis</i> Ad.
52	<i>Fadyenianum</i> Ad.	52	<i>milium</i> Gould.
		52	<i>minutissima</i> Hartm.

Jan. 1850.

53 Description of a supposed new species of *Columbella*: by Prof. C. B.  
ADAMS.

53 *Columbella ovuloides* Ad. Bahamas.

54 Notes on the synonymy of certain Marine Shells: by Prof. C. B.  
ADAMS.

54	<i>Pleurotoma plicata</i> Ad. = P. <i>plicosa</i> Ad.	55	<i>Columbella monilifera</i> S. =
54	<i>P. decussata</i> Mac. = P. <i>Macgillivrayi</i> Ad.	55	<i>Pleurotoma monilifera</i> ( <i>Columbella</i> ) Sowb.
54	<i>P. violacea</i> Hinds = P. <i>Reevii</i> Ad.	55	<i>Pleurotoma albovittata</i> Ad. = <i>P. luteo-fasciata</i> Ree.
54	<i>P. nigrescens</i> Ad. = P. ni- <i>grescens</i> Gray.	55	<i>P. trilineata</i> Ad. = P. tri- <i>fasciata</i> Gray.
54	<i>P. fuscolineata</i> Ad. = P. <i>scalpta</i> Ree.	55	<i>Mangella albovittata</i> ( <i>Pleurotoma</i> ) Ad.
		55	<i>fusca</i> ( <i>Pleurotoma</i> ) Ad.

## [Contributions to Conchology.]

Page.		Page.	
55	<i>Mangella dubia</i> (Pleurotoma) <i>Ad.</i>	55	<i>Buccinum concinnum</i> <i>Ad.</i> = Columbella.
55	<i>multilineata</i> (Pleurotoma) <i>Ad.</i> [ <i>Ad.</i> ]	55	<i>Columbella purpurascens</i> <i>Ad.</i> = C. dormitor <i>Sowb.</i>
55	<i>trilineata</i> (Pleurotoma)	55	<i>Buccinum obesum</i> <i>Ad.</i> = Co- lumbella.
55	<i>candidissima</i> (Pleurotoma) <i>Ad.</i>		

Note on—

55 *Geomelania Jamaicensis* *Pfr.*

56 Descriptions of supposed new species of Marine Shells which inhabit Jamaica: by Prof. C. B. ADAMS.

56	<i>Marginella nivea</i> <i>Ad.</i>	62	<i>Pleurotoma diminuta</i> <i>Ad.</i>
56	<i>alba</i> <i>Ad.</i>		<i>P. quadrata</i> <i>Eve?</i>
56	<i>abbreviata</i> <i>Ad.</i>	62	<i>decorata</i> <i>Ad.</i>
56	<i>fluctuata</i> <i>Ad.</i>	63	<i>albella</i> <i>Ad.</i>
57	<i>Mitra monilifera</i> <i>Ad.</i>	63	<i>pygmæa</i> <i>Ad.</i>
57	<i>albicoostata</i> <i>Ad.</i>	63	<i>flavocincta</i> <i>Ad.</i>
57	<i>Columbella fenestrata</i> <i>Ad.</i>	64	<i>nodata</i> <i>Ad.</i>
58	<i>costulata</i> <i>Ad.</i>	64	<i>quadrilineata</i> <i>Ad.</i>
58	<i>Terebra Jamaicensis</i> <i>Ad.</i>	64	<i>fusiformis</i> <i>Ad.</i>
58	<i>Purpura aberrans</i> <i>Ad.</i>	65	<i>Mangella densestriata</i> <i>Ad.</i>
59	<i>Conus armillatus</i> <i>Ad.</i>	65	<i>muricoides</i> <i>Ad.</i>
59	<i>Triton parvus</i> <i>Ad.</i>	65	<i>biconica</i> <i>Ad.</i>
60	<i>pulchellus</i> <i>Ad.</i>	66	<i>lanceolata</i> <i>Ad.</i>
60	<i>Murex intermedius</i> <i>Ad.</i>	66	<i>crassicostrata</i> <i>Ad.</i>
60	<i>pauperculus</i> <i>Ad.</i>	66	<i>brevis</i> <i>Ad.</i>
60	<i>Fusus nitens</i> <i>Ad.</i>	66	<i>vicina</i> <i>Ad.</i>
61	<i>Pleurotoma augustæ</i> <i>Ad.</i>	67	<i>Scalardia ligata</i> <i>Ad.</i>
61	<i>Jayana</i> <i>Ad.</i>	67	<i>Phasianella affinis</i> <i>Ad.</i>
61	<i>solida</i> <i>Ad.</i>	67	<i>brevis</i> <i>Ad.</i>
62	<i>fuscoincta</i> <i>Ad.</i>	67	<i>tesselata</i> <i>Ad.</i>
62	<i>maculata</i> <i>Ad.</i>	68	<i>concolor</i> <i>Ad.</i>

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Feb. 1850.

69 Descriptions of supposed new species of Marine Shells which inhabit Jamaica: by Prof. C. B. ADAMS.

69	<i>Phasianella concinna</i> <i>Ad.</i>	71	<i>Littlopa effusa</i> <i>Ad.</i>
69	<i>Trochus pulcher</i> <i>Ad.</i>	71	<i>obesa</i> <i>Ad.</i>
70	<i>Cingula (?) concinna</i> <i>Ad.</i>	71	<i>Littorina Jamaicensis</i> <i>Ad.</i>
70	<i>(?) solida</i> <i>Ad.</i>	72	<i>Chemnitzia latior</i> <i>Ad.</i>
70	<i>(?) conica</i> <i>Ad.</i>	72	<i>puncta</i> <i>Ad.</i>

## [Contributions to Conchology.]

- | Page.  |   | Page. |                                   |
|--|---|-------|-----------------------------------|
| 72   | <i>Chemnitzia obeliscus Ad.</i>   | 74    | <i>Chemnitzia pusilla Ad.</i>     |
| 73   | <i>subulata Ad.</i>   | 74    | <i>flavocincta Ad.</i>            |
| 73   | <i>levis Ad.</i>  | 74    | <i>multicostata Ad.</i>           |
| 73   | <i>substriata Ad.</i>   | 75    | <i>reticulata Ad.</i>             |
| 74   | <i>exilis Ad.</i>   |       |                                   |
| Note on—   |   |       |                                   |
| 75   | <i>Pholas corticaria Sowb.</i>  |       |                                   |
| 76 Descriptions of supposed new species and varieties of Terrestrial Shells which inhabit Jamaica: by Prof. C. B. ADAMS. |   |       |                                   |
| 76   | <i>Helix ingens Ad.</i>   | 81    | <i>Proserpina bidentata Ad.</i>   |
| 77   | <i>valida Ad.</i>   | 82    | <i>Cylindrella Greyana Ad.</i>    |
| 77   | <i>fortis Ad.</i>   | 82    | <i>lata Ad.</i>                   |
| 79   | <i>invalida Ad.</i>   | 82    | <i>Hollandi Ad.</i>               |
| 79   | <i>propenuda Ad.</i>  | 83    | <i>augustæ Ad.</i>                |
| 80   | <i>candescens Ad.</i>   | 83    | <i>Achatina Blandiana Ad.</i>     |
| 80   | <i>Foremaniana Ad.</i>  | 83    | <i>puella Ad.</i>                 |
| 80   | <i>alveus Ad.</i>   | 84    | <i>perplexa Ad.</i>               |
| 80   | <i>columellata Ad.</i>  | 84    | <i>Geomelania Ad.</i>             |
| 81   | <i>Proserpina discoides Ad.</i>   | 84    | <i>Cyclostoma aculeosum Ad. =</i> |
| 81   | <i>pulchra Ad.</i>  |       | <i>C. Hillianum Ad.</i>           |
| No. 4.   |   |       |                                   |
| March, 1850.   |   |       |                                   |
| 85   | Remarks on the origin of the Terrestrial Molluscs of Jamaica: by Prof. C. B. ADAMS. |       |                                   |
| 87   | Description of a new genus of Helioidæ from Jamaica: by Prof. C. B. ADAMS.          |       |                                   |
| 87   | <i>Spiraxis Ad. (n. g.)</i>   | 88    | <i>Spiraxis costulosus Ad.</i>    |
| 88   | <i>aberrans Ad.</i>   |       |                                   |
| 88   | Description of Jamaicaia, a new sub-genus of Cyclostoma: by Prof. C. B. ADAMS.      |       |                                   |
| 88   | Notes on certain species of the Land Shells of Jamaica: by Prof. C. B. ADAMS.       |       |                                   |
| 88   | <i>Helicina Hollandi Ad.</i>  | 89    | <i>Geomelania Beardaleana</i>     |
| 89   | <i>Lucidella aureola Ad.</i>  | 89    | <i>pygmæa Ad. [Ad.]</i>           |
| 89   | <i>granulosa Ad.</i>  | 89    | <i>striosa Ad.</i>                |
| 89   | <i>Cyclostoma Jayanum Ad.</i>   | 89    | <i>Helicina hæmastoma Moric.</i>  |
| 89   | <i>nigrilabre Ad.</i>   | 89    | <i>aurantia Gray.</i>             |
| 89   | <i>Chittyi Ad.</i>  | 90    | <i>Cylindrella brevis Ad.</i>     |
| 89   | <i>fimbriatulum Sowb.</i>   | 90    | <i>Achatina pellucens Ad.</i>     |
| 89   | <i>Geomelania elegans Ad.</i>   |       |                                   |

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90 Description of supposed new species of Land Shells which inhabit Jamaica: by Prof. C. B. ADAMS.

90	<b>Cyclostoma virgineum</b> <i>Ad.</i>	Page.
90	<b>anomalum</b> <i>Ad.</i>	96
91	<b>nodulosum</b> <i>Ad.</i>	96
91	<b>retrorsum</b> <i>Ad.</i>	96
92	<b>Shepardianum</b> <i>Ad.</i>	96
92	<b>papyraceum</b> <i>Ad.</i>	97
93	<b>Griffithianum</b> <i>Ad.</i>	97
93	<b>granosum</b> <i>Ad.</i>	97
93	<b>Helicina dubiosa</b> <i>Ad.</i>	98
94	var. <b>intermedia</b> <i>Ad.</i>	98
94	<b>Geomelania fortis</b> <i>Ad.</i>	98
94	<b>magna</b> <i>Ad.</i>	98
95	<b>procera</b> <i>Ad.</i>	98
95	<b>gracilis</b> <i>Ad.</i>	98
95	<b>typica</b> <i>Ad.</i>	98
96	var. <b>pygmæa</b> <i>Ad.</i>	98
96	<b>affinis</b> <i>Ad.</i>	98
		96
	<b>Geomelania media</b> <i>Ad.</i>	96
	<b>vicina</b> <i>Ad.</i>	96
	<b>striosa</b> <i>Ad.</i>	96
	<b>costulosa</b> <i>Ad.</i>	96
	<b>conica</b> <i>Ad.</i>	97
	<b>pauperata</b> <i>Ad.</i>	97
	<b>exilis</b> <i>Ad.</i>	97
	<b>Cylindrella costulosa</b> <i>Ad.</i>	98
	<b>Helix sulphurea</b> <i>Ad.</i>	98
	<b>Dolium perdix</b> <i>Ad.</i>	98
	<b>Helix picturata</b> <i>Ad.</i>	98
	<i>H. sinuata</i> Born.	
	<i>sinuosa</i> Gmel.	
	<b>picturata</b> <i>Ad.</i>	100
	<b>sinuata</b> <i>Deless.</i>	100
	<i>H. picturata</i> <i>Ad.</i>	

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April, 1850.

100 Descriptions of supposed new species of Land Shells which inhabit Jamaica: by Prof. C. B. ADAMS.

101	<b>Helicina ampliata</b> <i>Ad.</i>	104	<b>Achatina osculans</b> <i>Ad.</i>
101	<b>pusilla</b> <i>Ad.</i>	105	<b>Helix connectens</b> <i>Ad.</i>
101	<b>Cylindrella humilis</b> <i>Ad.</i>	105	<b>alligans</b> <i>Ad.</i>
102	<b>pusilla</b> <i>Ad.</i>	105	<b>amabilis</b> <i>Ad.</i>
102	<b>pupæformis</b> <i>Ad.</i>	106	<b>fuscolabris</b> <i>Ad.</i>
102	<b>procera</b> <i>Ad.</i>	106	<b>nobilis</b> <i>Ad.</i>
102	<b>Achatina costulosa</b> <i>Ad.</i>	107	<b>Redfieldiana</b> <i>Ad.</i>
103	<b>nitida</b> <i>Ad.</i>	107	<b>Blandiana</b> <i>Ad.</i>
103	<b>Gayana</b> <i>Ad.</i>	107	<b>osculans</b> <i>Ad.</i>
103	<b>similis</b> <i>Ad.</i>	108	<b>Proserpina pisum</b> <i>Ad.</i>
104	<b>tenera</b> <i>Ad.</i>	108	<b>Helix ingens</b> <i>Ad.</i>
104	<b>longispira</b> <i>Ad.</i>	108	<b>Cyclostoma Saulis</b> <i>Sowb.</i>
104	<b>gracillior</b> <i>Ad.</i>	108	<b>suturale</b> <i>Sowb.</i>

109 Descriptions of supposed new species of Marine Shells which inhabit Jamaica: by Prof. C. B. ADAMS.

109	<b>Narica (?) anomala</b> <i>Ad.</i>	110	<b>Odostomia solidula</b> <i>Ad.</i>
109	<b>Odostomia gemmulosa</b> <i>Ad.</i>	110	<b>Eulima gracilis</b> <i>Ad.</i>
109	<b>canaliculata</b> <i>Ad.</i>	110	<b>arcuata</b> <i>Ad.</i>
109	<b>ovuloides</b> <i>Ad.</i>	110	<b>conica</b> <i>Ad.</i>

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Page.		Page.	
110	<i>Eulima affinis Ad.</i>	117	<i>Cerithium modestum Ad.</i>
111	(?) <i>fulvo-cincta Ad.</i>	117	<i>melanura Ad.</i>
111	<i>Natica proxima Ad.</i>	117	<i>decoratum Ad.</i>
111	<i>Jamaicensis Ad.</i>	117	<i>dealbatum Ad.</i>
112	<i>Neritina ornata Ad.</i>	117	<i>nanum Ad.</i>
112	(?) <i>pusilla Ad.</i>	118	<i>mirabile Ad.</i>
112	<i>Rissoa subangulata Ad.</i>	118	<i>exiguum Ad.</i>
113	<i>aberrans Ad.</i>	119	<i>intermedium Ad.</i>
113	<i>scalaroides Ad.</i>	119	<i>versicolor Ad.</i>
114	<i>lævigata Ad.</i>	119	<i>megasoma Ad.</i>
114	<i>dubiosa Ad.</i>	120	<i>gemmulosum Ad.</i>
114	<i>pulchra Ad.</i>	120	<i>exile Ad.</i>
114	<i>multicostata Ad.</i>	120	<i>fusiforme Ad.</i>
115	<i>vitrea Ad.</i>	121	<i>pulchellum Ad.</i>
115	<i>lævissima Ad.</i>	121	<i>rugulosum Ad.</i>
115	<i>eulimoides Ad.</i>	122	<i>vicinum Ad.</i>
116	<i>striosa Ad.</i>	122	<i>latum Ad.</i>
116	<i>princeps Ad.</i>	122	<i>flavum Ad.</i>
116	(?) <i>melanura Ad.</i>	122	<i>albovittatum Ad.</i>

[For pp. 125-187, see the quotations of Ann. N. Y. Lyc.—W. G. B.]

No. 10.  
Nov. 1851.

- 189 On the Nature and Origin of the species of the Terrestrial Mollusca in the Island of Jamaica: by Prof. C. B. ADAMS. (Also, Am. Ass. Adv. Sc. Proc., vol. iv, p. 29. 1851.)
- 194 Notice of a Reversed Cyclostoma. (Also in Proc. Am. Ass. Adv. Sc., vol. iv, p. 32. 1851.)
- 194 *Cyclostoma Jayanum Ad.*
- 194 On the value of the Shells of Mollusca for the purpose of distinguishing species and higher groups: by Prof. C. B. ADAMS. Also in Proc. Am. Ass. Adv. Sc., vol. iv, p. 180. 1851. And Eding. N. Phil. Journ. No. 51, p. 259. 1851. And Fror. Tagsber. No. 443, (Zool. Bd. ii, p. 217. 1852.)
- 203 Notes on—
- |     |  |     |  |
|-----|--|-----|--|
| 203 | <i>Cyclostoma Newcomb-<br/>ianum Ad.</i> | 204 | <i>Helix pretiosa Ad.</i>                        |
| 203 | <i>Swiftianum Ad.</i>                    | 204 | <i>Ancylus obliquus Ad. = A.<br/>Chittyi Ad.</i> |
| 203 | <i>Troscheli Pfr.</i>                    | 204 | <i>Helix incerta Ad.</i>                         |
| 204 | <i>Tornatellina Cubensis Pfr.</i>        | 204 | <i>lima Ad.</i>                                  |
| 204 | <i>Helix Schroeteriana Pfr.</i>          | 204 | <i>angustata Ad.</i>                             |

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205 Remarks on certain Helices which are described and figured in the Conchologia Iconica for Oct. 1851: by Prof. C. B. ADAMS.

205	<b>Helix patina</b> Ad.	Page.	
205	<b>acuta</b> Lam.	206	<b>Helix tumida</b> Pfr.
205	<b>Chemnitziana</b> Pfr. = <i>H.</i>	206	<b>tunicata</b> Ad.
	<i>fluctuata</i> Ad.	206	<b>Chittyana</b> Ad.
205	<b>Helix ingens</b> Ad.	206	<b>valida</b> Ad.
205	<b>Bainbridgei</b> Pfr.	206	<b>anomala</b> Pfr.
206	<b>lucerna</b> Müll.		

No. 11.  
Oct. 1852.

207 Hints on the geographical distribution of Animals, with special reference to the Mollusca: by Prof. C. B. ADAMS.

215 Catalogue of the Terrestrial Shells of St. Thomas, West Indies: by THOMAS BLAND, F. G. S., London.

215	<b>Helix depicta</b> Grat.	218	<b>Achatina octona</b> Chemn.
216	<b>plicaria</b> Lam.		<i>Bulinus octona</i> Lam.
216	<b>squamosa</b> Fer. [Fer.	219	? ——— (sp. ined.)
216	<b>Bulinus basticatus</b> (Helix) Fer.	219	? <i>lota</i> Ad.
216	<b>badius</b> (Helix) Fer.	219	<b>Bulinus exilis</b> (Helix) Gmel.
216	<b>Pupa decumana</b> (Helix) Fer.		<i>B. Guadaloupensis</i> Brug.
216	<b>Cylindrella gracilicollis</b>	220	var $\beta$ <b>trifasciatus</b> Pfr.
	(Helix) Fer.	220	<b>virgulatus</b> (Cochlogena)
216	<b>Maugeri</b> (Helix) Wood.		<i>Fer.</i>
216	<b>Cyclostoma Antillarum</b> Sb.		<i>B. Caribbeonum</i> Lam.
	<i>Megalomastoma Antillarum</i>	221	? <b>Dysoni</b> Pfr.
	Gray.	221	? ——— (sp. ined.)
216	<b>Newcombianum</b> Ad.	221	? <b>subula</b> (Achatina) Pfr.
	<i>C. Swiftianum</i> Ad.		<i>B. hortensis</i> Ad?
	<i>Troscheli</i> Ad.	221	? ——— (sp. ined.)
	<i>Newcombianum</i> Ad.	222	? ——— (sp. ined.)
217	<b>Helicina subfusca</b> Mke.	222	<b>Pupa servilis</b> ? Gould.
	<i>Hel. rotulina</i> Mich.	222	<b>Succinea Sagra</b> ? Orb.
	<i>castanea</i> Gould?	222	<b>Helix incerta</b> (Helicostyla)
	<i>Hornbeckii</i> Phil.		<i>H. lima</i> Rve. [Fer.
	<i>subfusca</i> Küst.	223	<b>nemoralina</b> Pet.
217	? ——— (sp. ined.)	223	? ——— (sp. ined.)
217	<b>Cylindrella pallida</b> (Brachypus) Guild.	223	? ——— (sp. ined.)
		223	? <b>peraffinis</b> Ad.
218	? ——— (sp. ined.)	224	? ——— (sp. ined.)



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224 On the Clausiliæ of America: by THOMAS BLAND.

<p>225 <b>Clausilia tridens</b> (Turbo)  <i>Chemn.</i>  <i>Turbo labiatus</i> Dillw.  <i>C. tridens</i> Sch.  <i>Helix bicanaliculata</i>          (Cochlodina) Fer.</p>	<p>Page.          227          228</p>	<p><i>Clausilia costulata</i> Lam.  <i>labiata</i> Sowb.  <i>Turbo costulatus</i> Wood.  <b>Clausilia Peruana</b> Trosch.  <b>epistomium</b> Küst.</p>
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228 Catalogue of Terrestrial Shells collected by T. BLAND in New Granada, in 1851.

<p>228 <b>Cyclostoma giganteum</b>          228 <b>Popayanum</b> Lea. [Gray.          228 <b>Quitense</b> Pfr.          229 <b>Helicina concentrica</b> Pfr.          229 <b>Bulimus Dennisoni</b> Rve.          229 <b>Powisianus</b> Pet.          229 <b>Gibbonius</b> Leu.          229 <b>castaneus</b> Pfr.          229 <b>maximus</b> Sowb.</p>	<p>229 <b>Bulimus oblongus</b> Müll.          230 <b>geometricus</b> Pfr.          230 <b>spectatus</b> Rve.          230 ? <b>linostoma</b> D'Orb.          230 ? <b>Pealianus</b> Lea.          230 <b>succinoides</b> Pet.          230 <b>nitelinus</b> Rve.          230 <b>Gruneri</b> Pfr.</p>
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No. 12.

231 Catalogue of Terrestrial Shells collected by T. BLAND in New Granada, in 1851—continued.

<p>231 <b>Bulimus Lamarckianus</b> Pfr.          231 <b>Adamsoni</b> Gray.          231 <b>Streptaxis Candearna</b> (Helix) Pet.          231 <b>Helix Gibboni</b> Pfr.          231 <b>Oreas</b> Koch.</p>	<p>232 <b>Helix Oreas</b> (var.)          232 ? <b>atrata</b> Pfr.          232 <b>subplanata</b> ? (Caracolla)          232 ? <b>monile</b> Brod. [Pet.  <i>H. planorbis</i> Jay.          233 <b>Clausilia epistomium</b> Küst.</p>
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233 Descriptions of new species of *Corbula* from Jamaica: by Prof. C. B. ADAMS.

<p>234 <b>Corbula Krebsiana</b> Ad.          234 <b>Blandiana</b> Ad.          235 <b>Dietsiana</b> Ad.          236 <b>Swiftiana</b> Ad.          237 <b>Kjærjana</b> Ad.          237 <b>Barrattiana</b> Ad.</p>	<p>238 <b>Corbula Chittyana</b> Ad.          238 <b>Knoxiana</b> Ad.          239 <b>quadrata</b> Hinds.          240 <b>Newtoniana</b> Ad.          240 <b>fulva</b> Ad.</p>
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Notes on—

<p>241 <b>Journal de Conchyliologie.</b>          242 <b>Memorias sobre la Historia Natural de la Isla de Cuba.</b></p>
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[Contributions to Conchology.]

Nov. 1852.

Page.

242 Catalogue of species of *Lucina* which inhabit the West Indian Seas:  
by Prof. C. B. ADAMS.

243	<i>Lucina Americana</i> Ad.	Page.
243	<i>Anatellinoides</i> Rve.	245 <i>Lucina Janeirensis</i> Rve.
243	<i>Antillarum</i> Rve.	245 <i>pectinata</i> Ad.
244	<i>aurantia</i> Desh.	246 <i>pectinella</i> Ad.
244	<i>Chemnitzii</i> Phil.	246 <i>Pennsylvanica</i> (Venus)
244	<i>edentula</i> (Venus) Linn.	246 <i>pilula</i> Ad. [Linn.]
244	<i>exasperata</i> Rve.	247 <i>scabra</i> Rve.
244	<i>funiculata</i> Rve.	247 <i>soror</i> Ad.
245	<i>granulosa</i> Ad.	247 <i>tigerina</i> (Venus) Linn.
245	<i>imbricatula</i> Ad.	247 <i>virgo</i> Rve.
245	<i>Jamaicensis</i> (Venus) CA.	

**Lea.**—A synopsis of the Family of Naiades, &c. &c., vide pp. 52, 220, 230.

[I have not repeated the numerous foreign species. For these and their synonymy the student must consult the work itself.—W. G. B.]

**Conrad.**—Description of the Fossils of Syria, collected in the Palestine Expedition. Recent Shells by T. A. CONRAD, p. 228. (From Official Report of the United States Expedition to explore the Dead Sea and the River Jordan: by W. F. LYNCH, U. S. N.; published at the National Observatory by authority of the Hon. W. A. Graham, Secretary of the Navy. Baltimore, 1852.)

Pa.	Pl.	Fig.		
228	xxii	128 <sup>1</sup>	<i>Helix lithophaga</i> Conr.	Wady en-Nar. [Jezzin.
228	xv	80	<i>ligata</i> Müll.	Between Mukhtarrah &
229	xxii	129 <sup>2</sup>	<i>Carocolla tuberculosa</i> Conr.	Shore of Dead Sea.
229	xxii	130 <sup>3</sup>	<i>Paludina Phialensis</i> Conr.	Lake Phiala.

<sup>1</sup> Fig. 133.<sup>2</sup> Fig. 132.<sup>3</sup> Fig. 131.

**Gould.**—The Mollusca and Shells of the United States Exploring Expedition under Com. Wilkes: by A. A. GOULD, M. D. Boston, 1852. (Plates, 1856, according to title page, though they really appeared in 1861.)

[The following are the foreign species. For the American, vide p. 417. W. G. B.]

Pa.	Fig.		
1		<i>Anchorocophorus</i> Gould (n. g.)	
2	6-6 <sup>c</sup>	<i>bitentaculatus</i> Gould.	
		<i>Limax bitentaculatus</i> Quoy.	
4	3-3 <sup>b</sup>	<i>Limax olivaceus</i> Gould.	Paramatta, N. S. W.
5	4, 4 <sup>a</sup>	<i>fuliginosus</i> Gould.	Bay of Islands, N. Z.
5	5-5 <sup>b</sup>	<i>Vaginulus Taunaisii</i> Fer.	Bio Janeiro.
6	7-7 <sup>d</sup>	<i>Vitrina ruivensis</i> Gould.	Pico de Ruivo, Madeira.
7	12-12 <sup>a</sup>	<i>marcida</i> Gould.	Roche de Empeña, Mad.
9	8-8 <sup>b</sup>	<i>nitida</i> Gould.	Roche de Empeña, Mad.
10	11-11 <sup>b</sup>	<i>robusta</i> Gould.	New South Wales. •
10	9, 9 <sup>a</sup>	<i>caperata</i> Gould.	Kauai.
11	10-10 <sup>c</sup>	<i>tenella</i> Gould.	Kauai.
12	13	<i>furva</i> Gould.	St. Anna, Madeira.
		<i>Helix furva</i> Lowe.	
13	31-31 <sup>c</sup>	<i>Succinea explanata</i> Gould.	Kauai.
13	16-16 <sup>b</sup>	<i>putamen</i> Gould.	Upolu.
15	14-14 <sup>c</sup>	<i>rotundata</i> Gould.	Oahu.
16	15-15 <sup>b</sup>	<i>cepulla</i> Gould.	Hawaii.
17	18-18 <sup>b</sup>	<i>tumbalis</i> Gould.	Hawaii, &c.
18	19, 19 <sup>a</sup>	<i>humerosa</i> Gould.	Tahiti.
19	26-26 <sup>d</sup>	<i>infundibuliformis</i> Gould.	Tahiti, &c.
20	28-28 <sup>b</sup>	<i>procera</i> Gould.	Tahiti, &c.
21	17, 17 <sup>a</sup>	<i>vesicalis</i> Gould.	Hawaii.
21	27-27 <sup>b</sup>	<i>pudorina</i> Gould.	Tahiti, &c.
22	25-25 <sup>b</sup>	<i>venusta</i> Gould.	Hawaii, &c.
23	24-24 <sup>b</sup>	<i>modesta</i> Gould.	Tahiti, &c.
24	22-22 <sup>c</sup>	<i>Magellanica</i> Gould.	Tierra del Fuego.
25	23-23 <sup>b</sup>	<i>Manuana</i> Gould.	Manua.
26	30-30 <sup>b</sup>	<i>caduca</i> Mighels.	Sandwich Islands.
27	20-20 <sup>b</sup>	<i>canella</i> Gould.	Mani.
28	21-21 <sup>b</sup>	<i>crocata</i> Gould.	Upolu, &c.
29	66, 66 <sup>a</sup>	<i>Nanina rubricata</i> Gould ( <i>Helix</i> ).	Lebouka.
31	68-68 <sup>b</sup>	<i>lurida</i> Gould ( <i>Helix</i> ).	Feejee Islands.
31	69-69 <sup>b</sup>	<i>casca</i> Gould.	Feejee Islands.
		<i>Helix calva</i> Gould.	
32		<i>fricata</i> Gould.	New South Wales.

## [Gould, Exploring Expedition.]

Pa.	Fig.		
33	67-67 <sup>b</sup>	<i>Nanina scorpio</i> Gould ( <i>Helix</i> ).	Feejee Islands.
34	65-65 <sup>c</sup>	<i>irradiata</i> Gould ( <i>Helix</i> ).	New Zealand.
35	47	<i>Helix intaminata</i> Gould.	Mangsi.
38	45-45 <sup>c</sup>	<i>spirillus</i> Gould.	Lima.
39	34-34 <sup>c</sup>	<i>lyrata</i> Gould.	Orange Harbor, Tierra d.
40	46-46 <sup>c</sup>	<i>pauillus</i> Gould.	East Maui. [Fuego.
		<i>Helix pusillus</i> Gould.	
41	44-44 <sup>c</sup>	<i>zig-zag</i> Gould.	Taiaimi, New Zealand.
42	33-33 <sup>c</sup>	<i>saxatilis</i> Gould.	Orange Harbor, Tierra d.
43	73-73 <sup>c</sup>	<i>ciceroula</i> Gould.	Hawaii. [Fuego.
44	72-72 <sup>c</sup>	<i>cryptoportica</i> Gould.	Oahu.
45	60-60 <sup>c</sup>	<i>pertenuis</i> Gould.	Metia Island.
46	59-59 <sup>c</sup>	<i>oultrata</i> Gould.	Tahiti, &c.
47	61-61 <sup>c</sup>	<i>exæquata</i> Gould.	Kanai.
48	63-63 <sup>c</sup>	<i>calculosa</i> Gould.	Tahiti.
48	62-62 <sup>c</sup>	<i>subtilissima</i> Gould.	Maui.
49	48-48 <sup>c</sup>	<i>gradata</i> Gould.	Tonga Island.
50	64-64 <sup>b</sup>	<i>fornicata</i> Gould.	Kanai.
50	49-49 <sup>c</sup>	<i>rubiginosa</i> Gould.	Kanai.
51	52-52 <sup>a</sup>	<i>bursatella</i> Gould.	Tahiti, &c.
53	50-50 <sup>c</sup>	<i>obolus</i> Gould.	Tahiti.
54	51-51 <sup>d</sup>	<i>dædalea</i> Gould.	Tahiti, &c.
55	52 <sup>a</sup> -52 <sup>a</sup> <sup>c</sup>	<i>hystrix</i> Mighels.	East Maui.
		<i>H. setigera</i> Gould.	
56	52 <sup>†</sup> -52 <sup>†</sup> <sup>c</sup>	<i>stellula</i> Gould.	Maui.
57	56-56 <sup>c</sup>	<i>Cressida</i> Gould.	Society Islands, &c.
58	55-55 <sup>c</sup>	<i>trollus</i> Gould.	Upolu, &c.
60	57-57 <sup>b</sup>	<i>Eurydice</i> Gould.	Tongataboo.
61	58-58 <sup>b</sup>	<i>trochiformis</i> Fer.	Bimeo, &c.
62	53-53 <sup>b</sup>	<i>tumulus</i> Gould.	Feejee Islands.
63	54	<i>tentoriolum</i> Gould.	Upolu.
64	32, 32 <sup>a</sup>	<i>nitidiuscula</i> Sowb.	Madeira.
64	43-43 <sup>b</sup>	<i>gulosa</i> Gould.	Mawana, N. S. Wales.
64		<i>pedestris</i> .	
71	70, 70 <sup>a</sup>	<i>Streptaxis contusa</i> Fer.	
		<i>Helix contundata</i> Fer.	
		<i>contusa</i> Fer.	
72	82, 82 <sup>a</sup>	<i>Bulimus morosus</i> Gould.	Feejee Islands.
72	84, 84 <sup>a</sup>	<i>elobatus</i> Gould.	Feejee Islands.
73	83, 83 <sup>a</sup>	<i>pruninus</i> Gould.	Madeira Island.
74	79, 79 <sup>a</sup>	<i>prolatus</i> Gould.	Santiago, Chili.
75	80, 80 <sup>a</sup>	<i>ciliatus</i> Gould.	Organ Mts., Brazil.
76	87-87 <sup>b</sup>	<i>juncæus</i> Gould.	Tahiti, &c.

[Gould, Exploring Expedition.]

Pa.	Fig.		
77	86, 86 <sup>a</sup>	<b>Bulimus egregius</b> Pfr.	Rio Janeiro.
		<i>B. hybridus</i> Gould.	
78	75	<b>auris-leporis</b> Brug.	Rio Janeiro.
		<i>B. lagotis</i> Mke.	
		<i>Auricula leporis</i> Mke.	
		<i>Helix auris-leporis</i> Fer.	
		<i>Pupa auris-leporis</i> .	
		<i>Stenostoma auritura</i> Spix.	
		<i>Otostoma lagotis</i> Beck.	
78	76, 76 <sup>a</sup>	<b>proteus</b> Br.	Chill.
		<i>B. sordidus</i> Lam.	
		<i>Buliminus proteus</i> Beck.	
79	81-81 <sup>b</sup>	<b>Chilensis</b> Lam.	Chill.
		<i>Achatina Chilensis</i> Less.	
		<i>Bulimus granulosis</i> Br.	
		<i>Bulimulus graniger</i> Beck.	
79	85-85 <sup>b</sup>	<b>Shongli</b> Less.	Bay of Islands, N. Z.
80	77	<b>fulguratus</b> Jay.	Feejee Islands.
81	78	<b>malleatus</b> Jay.	Feejee Islands.
81	88, 88 <sup>a</sup>	<b>Partula conica</b> Gould.	Upolu, &c.
82	89, 89 <sup>a</sup>	<b>zebrina</b> Gould.	Upolu, &c.
83	90, 90 <sup>a</sup>	<b>pusilla</b> Gould.	Metia Island.
84	91	<b>Taheltana</b> Brug.	Honolulu.
		<i>P. auriculata</i> Brod.	
		<i>Bulimus auriculatus</i> Pfr.	
85	92	<b>varia</b> Brod.	
		<i>Bulimus varius</i> Pfr.	
85	93	<b>Vanikorensis</b> Quoy & Quim. ( <i>Helix</i> ).	
		<i>Bulimus Vanikorensis</i> Desh.	
85	94, 94 <sup>a</sup>	<b>Achatinella marmorata</b> Gould.	Mau.
86	95	<b>nubilosa</b> Gould.	Mau.
87	96, 96 <sup>a</sup>	<b>ellipsoidea</b> Gould.	Mau.
87	100, 100 <sup>a</sup>	<b>acuminata</b> Gould.	Kauai.
88	97, 97 <sup>a</sup>	<b>accincta</b> Mighels.	Oahu.
		<i>A. Sandwicensis</i> .	
89	98, 98 <sup>a</sup>	<b>guttula</b> Gould.	Mau.
90	99, 99 <sup>a</sup>	<b>cerealis</b> Gould.	Waiansi, Oahu.
91	105-105 <sup>b</sup>	<b>Balea peregrina</b> Gould.	New Zealand.
91	101	<b>Megaspira elata</b> Gould.	Brazil.
		<i>Bulimus elatior</i> (var. $\gamma$ )	
92	103-103 <sup>b</sup>	<b>Vertigo tantilla</b> Gould.	[Pfr. Tahiti.
93	104-104 <sup>a</sup>	<b>Pupa peponum</b> Gould.	Oahu, &c.
94	114-114 <sup>a</sup>	<b>Helicina uberta</b> Gould.	Oahu, &c.
		<i>H. constricta</i> Pfr.	

[Gould, Exploring Expedition.]

Pa.	Fig.		
95	112	<b>Helleina Mangeriæ</b> Gr.	Tahiti, &c.
95	111, 111 <sup>a</sup>	<b>beryllina</b> Gould.	Feejee Islands.
96	113-113 <sup>a</sup>	<b>pallida</b> Gould.	Feejee Islands.
97	106-106 <sup>a</sup>	<b>fulgora</b> Gould.	Manua.
98	107-107 <sup>b</sup>	<b>musiva</b> Gould.	Manua, &c.
99	108-108 <sup>a</sup>	<b>laciniosa</b> Mighels.	Kauai, &c.
99	109-109 <sup>a</sup>	<b>trochlea</b> Gould.	Metia Island.
100	110-110 <sup>a</sup>	<b>multicolor</b> Gould.	Tahiti, &c.
101	116, 116 <sup>a</sup>	<b>Cyclostoma tiara</b> Gould.	Upolu.
102	117-117 <sup>b</sup>	<b>strigatum</b> Gould.	Upolu.
103	118-118 <sup>b</sup>	<b>plicatum</b> Gould.	Upolu.
104	119, 119 <sup>a</sup>	<b>obligatum</b> Gould.	Metia Island.
105	124-124 <sup>b</sup>	<b>diatretum</b> Gould.	Feejee Islands.
106	121-121 <sup>b</sup>	<b>roseum</b> Gould.	Feejee Islands.
106	120-120 <sup>b</sup>	<b>terebrale</b> Gould.	Tahiti, &c.
107	122, 122 <sup>a</sup>	<b>vallatum</b> Gould.	Tonga Island.
108	123-123 <sup>b</sup>	<b>scitulum</b> Gould.	Tahiti, &c.
109	126-126 <sup>b</sup>	<b>Truncatella Vitiana</b> Gould.	Feejee Islands.
110	125-125 <sup>b</sup>	<b>aurantia</b> Gould.	Mangsi Island.
110	127-127 <sup>b</sup>	<b>porrecta</b> Gould.	Tahiti.
111	128-128 <sup>b</sup>	<b>rostrata</b> Gould.	Rio Janeiro.
114	133	<b>Planorbis kermatoïdes</b> D'Or.	Lima.
114		<b>ferrugineus</b> Spix.	
115	134-134 <sup>b</sup>	<b>Physa venustula</b> Gould.	Lima.
116	136-136 <sup>b</sup>	<b>tabulata</b> Gould.	Bay of Islands, N. Z.
117	137, 137 <sup>a</sup>	<b>gibbosa</b> Gould.	Paramatta, N. S. W.
118	139-139 <sup>b</sup>	<b>sinuata</b> Gould.	Feejee Islands.
118	140-140 <sup>b</sup>	<b>reticulata</b> Gould.	Sandwich Islands.
120	135	<b>rivalis</b> Pot. & Mich.	Lima.
122	142-142 <sup>b</sup>	<b>Limnea volutata</b> Gould.	Oahu.
123	145, 145 <sup>a</sup>	<b>Dombeya fasciata</b> Gould.	Chili.
124	143, 143 <sup>a</sup>	<b>obovata</b> Gould.	Chili.
124	144, 144 <sup>a</sup>	<b>fluminea</b> D'Orb.	Patagonia.
		<i>Chilina fluminea</i> Gray.	
		<i>Voluta fluminea</i> Maton.	
125	495-495 <sup>b</sup>	<b>Ancylus aduncus</b> Gould.	Madeira.
126	150-150 <sup>b</sup>	<b>Amnicola badia</b> Gould.	Tipoona, New Zealand.
127	151-151 <sup>b</sup>	<b>gracilis</b> Gould.	Tipoona, New Zealand.
128	147, 147 <sup>a</sup>	<b>Ampullaria columellaris</b> Gld.	Mayras, Peru.
129	149-149 <sup>b</sup>	<b>Amnicola corolla</b> Gould.	Banks Pen, New Zeal'd.
		<i>Melania corolla</i> Gould.	
130	152-152 <sup>b</sup>	<b>Cingula Peteningensis</b> Gould.	Rio de Janeiro.
130	146-146 <sup>b</sup>	<b>Melanopsis Zeylandica</b> Gould.	New Zealand.
132	154-154 <sup>a</sup>	<b>cybele</b> Gould.	Feejee Islands, &c.

## [Gould, Exploring Expedition.]

Page.	Fig.		
133	153-153 <sup>b</sup>	<b>Melanopis tetrica</b> <i>Gould.</i>	Feejee Islands, &c.
133	155-155 <sup>b</sup>	<b>terpsichore</b> <i>Gould.</i>	Feejee Islands, &c.
134	156-156 <sup>c</sup>	<b>scipio</b> <i>Gould.</i>	Feejee Islands, &c.
136	159-159 <sup>c</sup>	<b>lutosa</b> <i>Gould.</i>	Upolu.
137	161-161 <sup>b</sup>	<b>corporosa</b> <i>Gould.</i>	Tahiti.
138	157-157 <sup>b</sup>	<b>Vainafa</b> <i>Gould.</i>	Upolu.
139	162, 162 <sup>a</sup>	<b>furforosa</b> <i>Gould.</i>	Manilla.
140	158-158 <sup>b</sup>	<b>scitula</b> <i>Gould.</i>	Upolu.
142	160-160 <sup>c</sup>	<b>perpinguis</b> <i>Hinds.</i>	Feejee Islands, &c.
145	170-170 <sup>b</sup>	<b>Cerithium sordidulum</b> <i>Gould.</i>	
146	169-169 <sup>b</sup>	<b>invaginatum</b> <i>Gould.</i>	Feejee Islands.
147	167-167 <sup>b</sup>	<b>aduncum</b> <i>Gould.</i>	Mindanao.
148	168, 168 <sup>a</sup>	<b>irroratum</b> <i>Gould.</i>	
148	174-174 <sup>d</sup>	<b>oeselatum</b> <i>Couth.</i>	Orange Har., T. d. Fuego.
150	172-172 <sup>b</sup>	<b>pusillum</b> <i>Gould.</i>	Sandwich Islands.
151	171-171 <sup>b</sup>	<b>egenum</b> <i>Gould.</i>	Wilson's Island.
152	173-173 <sup>b</sup>	<b>janthinum</b> <i>Gould.</i>	Clermont-Tonnere.
153		<b>Pelex</b> <i>Gould</i> (n. g.)	
153	176-176 <sup>d</sup>	<b>lateralis</b> <i>Gould.</i>	Wangarara, N. Zealand.
155	177-177 <sup>b</sup>	<b>Navicella Freycineti</b> <i>Recl.</i>	Macassar.
156	178, 178 <sup>a</sup>	<b>porcellana</b> <i>Chemn.</i>	
		<i>N. elliptica</i> <i>Lam.</i>	
156	187-187 <sup>b</sup>	<b>Neritina cholericus</b> <i>Chemn.</i>	Feejee Islands.
157	191, 191 <sup>a</sup>	<b>porcata</b> <i>Gould.</i>	Samoa Island.
158	188, 188 <sup>a</sup>	<b>chrysocolla</b> <i>Gould.</i>	Upolu.
159	192, 192 <sup>a</sup>	<b>amœna</b> <i>Gould.</i>	
160	190, 190 <sup>a</sup>	<b>siderea</b> <i>Gould.</i>	Upolu.
161	182, 182 <sup>a</sup>	<b>canalis</b> <i>Sowb.</i>	Society Island.
161	179	<b>granosa</b> <i>Sowb.</i>	Sandwich Islands.
161	181	<b>Taitensis</b> <i>Soul.</i>	
162	180	<b>Lamarckii</b> <i>Desh.</i>	
		<i>N. auriculata</i> <i>Sowb.</i>	
162		<b>Nuttallii</b> <i>Recl.</i>	
163	183	<b>gagates</b> <i>Desh.</i>	
163	193	<b>undata</b> <i>Desh.</i>	
		<i>Clithon undatus</i> <i>Less.</i>	
		<i>N. spinosa</i> <i>Sowb.</i>	
163	184, 184 <sup>a</sup>	<b>cornea</b> <i>Linn.</i>	Feejee Islands.
		<i>N. ampullaria</i> <i>Less.</i>	
		<b>zebra</b> <i>Chemn.</i>	
		<b>dubia</b> <i>Chemn.</i>	
164	185, 185 <sup>a</sup>	<b>ruginosa</b> <i>Recl.</i>	Samoa and Friendly Isl.
164	191	<b>caffra</b> <i>Gray.</i>	Tahiti.

[Gould, Exploring Expedition.]

Page.	Fig.		
165		<b>Neritina Turtoni</b> Ree.	Feejee Islands.
		<i>N. helvola</i> Gould.	
165	197, 197 <sup>a</sup>	<b>Nerita musiva</b> Gould.	
166	195, 195 <sup>a</sup>	<i>crassa</i> Gould.	
167		<i>plicata</i> Linn.	
167	194, 194 <sup>a</sup>	<i>albicilla</i> Linn.	
167	196, 196 <sup>a</sup>	<i>undata</i> Linn.	
169	198-198 <sup>c</sup>	<b>Turbo setosus</b> Chemn.	Clermont Tonnerre.
170	199-199 <sup>b</sup>	<i>argyrostomus</i> Chemn.	
170	200	<i>sparverius</i> Gmel.	
171	201, 201 <sup>a</sup>	<i>petholatus</i> Linn.	
171	212, 212 <sup>a</sup>	<i>niger</i> Gray.	Callao and Valparaiso.
171	202-202 <sup>b</sup>	<i>confragosus</i> Gould.	Dean's Island, Paumotu
173	203-203 <sup>d</sup>	<i>sirius</i> Gould.	New Holland.
174	204-204 <sup>a</sup>	<i>laciniatus</i> Gould.	Manilla.
175	221-221 <sup>c</sup>	<b>Trochus bicrenatus</b> Gould.	
175	210-210 <sup>c</sup>	<i>gradatus</i> Gould.	
176	220-220 <sup>b</sup>	<i>circumsutus</i> Gould.	Madagascar?
177	209-209 <sup>b</sup>	<i>jucundus</i> Gould.	New Zealand.
178	216-216 <sup>c</sup>	<i>elusus</i> Gould.	Singapore.
179	217-217 <sup>c</sup>	<i>acinosus</i> Gould.	New Zealand.
180	205-205 <sup>b</sup>	<i>pruninus</i> Gould.	Auckland Island.
181	206-206 <sup>b</sup>	<i>texturatus</i> Gould.	
182	211	<i>ater</i> Less.	Valparaiso and Callao.
182	213	<b>Araucanus</b> D'Orb.	Valparaiso, &c.
183		<i>mæstus</i> Jonas.	
183	223, 223 <sup>a</sup>	<i>colubrinus</i> Gould.	Funchal.
184	215-215 <sup>b</sup>	<i>tantillus</i> Gould.	Sandwich Islands.
186	208-208 <sup>b</sup>	<i>pupillus</i> Gould.	New Zealand.
187	218-218 <sup>c</sup>	<i>amœnus</i> Gould.	Feejee Islands.
188	219-219 <sup>c</sup>	<i>spurcus</i> Gould.	[Gould. Madeira Island.
189	224-224 <sup>d</sup>	( <b>Monodonta</b> ) <i>atropurpureus</i> Tutuil.	
190	225-225 <sup>c</sup>	<i>instrictus</i> Gld.	Pacific Ocean.
191	222-222 <sup>b</sup>	<i>rotellinus</i> Gld.	Mangsi.
192	227, 227 <sup>a</sup>	( <b>Bembicium</b> ) <i>squamiferus</i> Koch.	
192	228-228 <sup>c</sup>	<b>Margarita Magellanica</b> Gld.	Orange Har., T. d. Fuego.
193	230-230 <sup>b</sup>	<i>persica</i> Gould.	Cape Horn.
194	229-229 <sup>c</sup>	<i>conica</i> D'Orb.	Patagonia. [30' W.
195	252, 252 <sup>a</sup>	<b>Litlopa decussata</b> Gould.	Lat. 37° 40' N., long. 54°
196	226-226 <sup>c</sup>	<b>Solarium egenum</b> Gould.	New Zealand.
198	240-240 <sup>b</sup>	<b>Littorina caliginosa</b> Gould.	Tierra del Fuego.
200	239-239 <sup>b</sup>	<i>acuminata</i> Gould.	Mangsi Island.
202	235, 235 <sup>a</sup>	<i>obesa</i> Sowb.	Clermont Tonnerre, &c.
202	234, 234 <sup>a</sup>	<i>pyramidalis</i> Quoy & Gaim.	



- [Gould, Exploring Expedition.]
- | Page. | Fig.                  |   |                             |
|-------|-----------------------|---|-----------------------------|
| 203   | 233, 233 <sup>a</sup> | <b>Littorina grandinosa</b> Desh.<br><i>Trochus grandinosa</i> Chemn.<br><i>bullatus</i> Martyn.<br><i>Monodonta papillosa</i> Lam. |                             |
| 203   |                       | <b>Peruviana</b> Gray.<br><i>Turbo zebra</i> Wood. [Lam.<br><i>Phasianella Peruviana</i>  | Valparaiso, &c.             |
| 203   | 251-251 <sup>b</sup>  | <b>Planaxis lineolatus</b> Gould.   | Wilson's Island.            |
| 204   | 242-242 <sup>b</sup>  | <b>Melampus mucronatus</b> Gould.   | Raraka Island.              |
| 205   | 245-245 <sup>b</sup>  | <b>Scalaria gracilentata</b> Gould.   | Mangsi Island.              |
| 206   | 244-244 <sup>b</sup>  | <i>texturata</i> Gould.   |                             |
| 206   |                       | <i>australis</i> Lam.   |                             |
| 207   | 246-247               | <b>Stylifer acicula</b> Gould.  | Feejee Islands.             |
| 208   | 248, 248 <sup>a</sup> | <b>Haliotis crispata</b> Gould.   | New Holland.                |
| 209   | 249-249 <sup>b</sup>  | <b>Stomatella tumida</b> Gould.   | Singapore, &c.              |
| 210   | 250-250 <sup>b</sup>  | <i>decolorata</i> Gould.  | Mangsi Island.              |
| 213   | 255, 255 <sup>a</sup> | <b>Natica dilecta</b> Gould.  | Rio Negro, Patagonia.       |
| 215   | 257, 257 <sup>a</sup> | <i>soluta</i> Gould.  | South America.              |
| 215   |                       | <b>Ampullacea Busbyi</b> Gould.<br><i>Helix busbyi</i> Gray   | New Zealand.                |
| 216   | 259-259 <sup>c</sup>  | <b>Sigaretus antarcticus</b> Coust.   | Orange Harbor.              |
| 217   | 260-260 <sup>b</sup>  | <i>prætenuis</i> Gould.   | Orange Harbor.              |
| 217   | 261-261 <sup>c</sup>  | <b>Rissoa ambigua</b> Gould.<br><i>Pyramidella ambigua</i> Gld.   | Clermont Tonnerre.          |
| 218   | 263-263 <sup>b</sup>  | <b>Tornatella bullata</b> Gould.  | Patagonia.                  |
| 220   | 267, 267 <sup>a</sup> | <b>Bulla parallela</b> Gould.   |                             |
| 220   | 264                   | <i>bifasciata</i> Mart. & Ch.<br><i>B ampulla</i> (var. Linn.   | Feejee Islands.             |
| 221   | 266, 266 <sup>a</sup> | <i>rubiginosa</i> Gould.  | Rio de Janeiro.             |
| 222   | 265-265 <sup>d</sup>  | <b>diaphana</b> Gould.  | Rio de Janeiro.             |
| 223   | 268                   | <b>Aplysia pulmonica</b> Gould.   | Tutuilla.                   |
| 223   | 269, 269 <sup>a</sup> | <b>Bursatella lacinulata</b> Gould.   | Rio de Janeiro.             |
| 224   |                       | <b>Stylocheilus</b> Gould. (n. g.)  |                             |
| 225   | 270-270 <sup>b</sup>  | <b>lineolatus</b> Gould.  | Honolulu.                   |
| 226   | 271                   | <b>queroinus</b> Gould.   | Feejee Islands.             |
| 226   | 272                   | <b>Janthina exigua</b> Lam.   | Lat. 18° 20' S., long. 132° |
| 227   | 273                   | <i>fragilis</i> .   | [W.                         |
| 227   | 276                   | <b>Pyrula deformis</b> Lam. [Kein. Tutuilla.<br><i>Purpura abbreviata</i> (var.)  |                             |
| 227   | 277-277 <sup>b</sup>  | <b>Fusus Geversianus</b> Pallas.<br><i>Buccinum fimbriatum</i> Mart.<br><i>Murex Magellanicus</i> Gmel.                             |                             |
| 228   | 278                   | <b>laciniatus</b> Martyn.   | Orange Harbor.              |
| 229   | 279-279 <sup>c</sup>  | <b>crispus</b> Gould.   | Orange Harbor.              |

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Page.	Fig.		
230	280	<b>Fusus decolor</b> Phil.	Orange Harbor.
230	281, 281 <sup>a</sup>	<b>plumbeus</b> Phil.	
231	282-282 <sup>b</sup>	<b>hiratus</b> Coult.	Orange Harbor.
232	283, 283 <sup>a</sup>	<b>incisus</b> Gould.	New Zealand?
235	286, 286 <sup>a</sup>	<b>sublatus</b> Gld. [sus Gld.	
236	287, 287 <sup>a</sup>	<b>Murex (Trophon) fructico-</b>	
237	288, 288 <sup>a</sup>	<b>Monoceros imbricatum</b> Lam.	Orange Harbor.
		<i>Buccinum calcar</i> Martyn.	
		<i>Monoceros breve</i> Sowb.	
237	290, 290 <sup>a</sup>	<b>Turbinella cornigera</b> Lam.	
238	289	<b>amplustre</b> Kies.	Honden Island.
		<i>Buccinum amplustre</i> Mart.	
		<i>Murex amplustre</i> Chemn.	
238	291	<b>armata</b> Brod.	Honden Island.
239	292	<b>Triton variegatum</b> Lam.	Tutuilla, &c.
		<i>Murex tritonis</i> Linn.	
239	295	<b>tuberosum</b> Lam.	Lebuka.
240		<b>productum</b> Gould.	Pacific.
		<i>T. tuberosum</i> Rumph. &c.	
240	293	<b>anus</b> Lam.	Lebuka.
240	294, 294 <sup>a</sup>	<b>distortum</b> Sch. & Wagn.	Paumotu Island.
241	298-298 <sup>c</sup>	<b>cancellatum</b> Lam.	
		<i>Murex Magellanicus</i> Chemn.	
242	299	<b>Ranella bufonia</b> Gmel.	Gardner's Isl., Paumotu
242	300, 300 <sup>a</sup>	<b>gyrinus</b> Linn.	Tutuilla. [Isl.
		<i>Murex gyrinus</i> Linn.	
		<i>R. ranina</i> Lam.	
242	301-301 <sup>b</sup>	<b>vexillum</b> Sowb.	Orange Har., T. d. Fuego.
243	302, 302 <sup>a</sup>	<b>ventricosa</b> Brod.	
244	309, 309 <sup>a</sup>	<b>Purpura tæniata</b> Powis.	Honden Island.
245		<b>armigera</b> Lam.	Paumotu Group.
245		<b>scobina</b> Quoy & Gaim.	New Zealand.
246		<b>succinata</b> Lam.	
		<i>Buccinum orbita</i> Chemn.	
		<i>P. orbita</i> Sowb.	
246	304, 304 <sup>a</sup>	<b>elongata</b> Blainv.	Metia Island.
		<i>P. fenestrata</i> Quoy & Guim.	
246	306	<b>violacea</b> Kien.	Feejee Islands.
		<i>Purpura neritoidea</i> Lam.	
		<i>Purpura neritoidea</i> Qu.&G.	
247	305	<b>Ricinula tuberculata</b> Blainv.	Paumotu Group.
247		<b>horrida</b> Lam.	Paumotu Group.
247	307	<b>arachnoides</b> Lam.	Paumotu Group.
248	308	<b>olathrata</b> Lam.	Paumotu Group.

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Page.	Fig.		
248	312, 312 <sup>a</sup>	<i>Pleurotoma seminifera</i> <i>Gld.</i>	
249	311, 311 <sup>a</sup>	<i>tigrina</i> <i>Lam.</i>	Upolu.
250	313-313 <sup>a</sup>	<i>Mangelia cithara</i> <i>Gould.</i>	Feejee Islands.
250	314-314 <sup>b</sup>	<i>Terebra crenulata</i> <i>Linn.</i>	
251		<i>dimidiata</i> <i>Linn.</i>	
251	315	<i>Babylonia</i> <i>Lam.</i>	
251	316	<i>lævigata</i> <i>Gray.</i>	
251	317	<i>subulata</i> <i>Linn.</i>	
251	318	<i>cærulescens</i> <i>Lam.</i>	
252	319, 319 <sup>a</sup>	<i>Buccinum velatum</i> <i>Gould.</i>	Mindanao.
253	320, 320 <sup>a</sup>	<i>funereum</i> <i>Gould.</i>	New Zealand.
255	313, 313 <sup>a</sup>	<i>farinosum</i> <i>Gould.</i>	Kauai.
256	324, 324 <sup>a</sup>	<i>Nassa musiva</i> <i>Gould.</i>	Cape de Verd Island.
257	325-325 <sup>b</sup>	<i>lurida</i> <i>Gould.</i>	Tutuilla.
258	326-326 <sup>c</sup>	<i>curta</i> <i>Gould.</i>	Samoa Island.
259	327-327 <sup>b</sup>	<i>cinctella</i> <i>Gould.</i>	Pacific Islands.
260	328-328 <sup>b</sup>	<i>casta</i> <i>Gould.</i>	Pacific Islands.
261	329-329 <sup>b</sup>	<i>acinoso</i> <i>Gould.</i>	
262	330-330 <sup>b</sup>	<i>paupera</i> <i>Gould.</i>	Pacific Islands.
265	336, 336 <sup>a</sup>	<i>lilacina</i> <i>Gould.</i>	Clermont Tonnerre.
266	333, 333 <sup>a</sup>	<i>muricata</i> <i>Quoy.</i>	
266	334	<i>granifera</i> <i>Kien.</i>	
268	338, 338 <sup>a</sup>	<i>Columbella valga</i> <i>Gould.</i>	Brazil?
269	339-339 <sup>b</sup>	<i>castanea</i> <i>Gould.</i>	Rio Janeiro.
270	341, 341 <sup>a</sup>	<i>mendicaria</i> <i>Linn.</i>	
270	342	<i>ligula</i> <i>Ducl.</i>	
270	352	<i>Mitra vitellina</i> <i>Gould.</i>	East Indies?
271	355, 355 <sup>a</sup>	<i>cophina</i> <i>Gould.</i>	Singapore.
272	354, 354 <sup>a</sup>	<i>rorata</i> <i>Gould.</i>	
273	351-351 <sup>b</sup>	<i>capillata</i> <i>Gould.</i>	Madeira.
274	356-356 <sup>b</sup>	<i>encausta</i> <i>Gould.</i>	Feejee Islands.
275	353-353 <sup>b</sup>	<i>fidicula</i> <i>Gould.</i>	
276	344 bis.	<i>ambigua</i> <i>Swains.</i>	
276	344, 344 <sup>a</sup>	<i>adusta</i> <i>Lam.</i>	Vincennes Island.
276	345	<i>acuminata</i> <i>Swains.</i>	Raraka.
		<i>M. lutea</i> <i>Quoy.</i>	
277	346, 346 <sup>a</sup>	<i>virgata</i> <i>Ree.</i>	Clermont Tonnerre.
		<i>M. retusa</i> (var. <i>Gray.</i> )	
277	347	<i>maculosa</i> <i>Ree.</i>	
277	348	<i>nodosa</i> <i>Swains.</i>	Clermont Tonnerre.
		<i>M. fraga</i> <i>Quoy &amp; Gaim.</i>	
		<i>tuberculata</i> <i>Kien.</i>	
278	349	<i>elegans</i> <i>Ree.</i>	Feejee Islands.

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Page.	Fig.		
278	350	<b>Mitra exasperata</b> Chemn.	Feejee Islands.
		<i>M. torulosa</i> Lam.	
278	342	<i>filosa</i> Born.	Feejee Islands.
278	357	<b>Voluta Magellanica</b> Gmel.	Orange Harbor.
		<i>V. ancilla</i> Lam.	
279		<i>ancilla</i> Sol.	Cape Horn.
		<i>V. Magellanica</i> Lam.	
		<i>gracilis</i> Wood's Sup.	
280	359	<b>Melo Broderipii</b> Gray.	China Seas.
		<i>M. regius</i> Brod.	
281	380	<b>Oliva carneola</b> Gmel.	Feejees.
281	370	<b>Cypræa testudinaria</b> Linn.	Upolu, &c.
281		<i>tigris</i> Linn.	Feejees, &c.
282	371, 371 <sup>a</sup>	<i>reticulata</i> Martyn.	Paumotu Group.
		<i>C. maculata</i> Barnes.	
		<i>histris</i> Kien.	
282	372, 372 <sup>a</sup>	<i>fimbriata</i> Gmel.	Paumotu Group.
283	374, 374 <sup>a</sup>	<i>anellus</i> Linn.	Tutuilla.
283	373, 373 <sup>a</sup>	<i>caurica</i> Linn.	Tutuilla.
283		<i>felina</i> Gmel.	Tutuilla.
284		<i>errones</i> Linn.	Lebuka.
		<i>C. olivacea</i> Lam.	
284	376	<b>Humphreysii</b> Gray.	Sandalwood Bay.
		<i>C. lutea</i> Desh.	
284	375, 375 <sup>a</sup>	<i>poraria</i> Linn.	Benga Island.
284		<i>carneola</i> Linn.	Lebuka.
285	369	<i>lynx</i> Linn.	Feejee Islands.
285	378	<i>eburna</i> Barnes.	Feejee Islands, &c.
285	377	<i>arenosa</i> Gray.	Tahiti.
286	379	<i>obvelata</i> Lam.	Tutuilla.
286	367, 367 <sup>a</sup>	<b>Conus dilectus</b> Gould.	Feejee Islands.
287	361	<i>vexillum</i> Mart.	Tutuilla.
287	364, 364 <sup>a</sup>	<i>miles</i> Mart.	Honden Island.
288		<i>Hebræus</i> Linn.	Clermont Tonnerre.
288	365	<i>nanus</i> Brod.	Tutuilla.
289	363	<i>sponsalis</i> Brug.	Clermont Tonnerre.
289	362, 362 <sup>a</sup>	<i>milliaris</i> Brug.	Clermont Tonnerre.
290	366	<i>minimus</i> Linn.	Pacific Island.
290	382, 382 <sup>a</sup>	<b>Peronia indolens</b> Couth.	Rio de Janeiro.
291	383-283 <sup>b</sup>	<i>irrorata</i> Gould.	Bay of Islands, N. Z.
291	384, 384 <sup>a</sup>	<i>acinosæ</i> Gould.	Feejee Islands.
292	386-386 <sup>c</sup>	<i>marginata</i> Couth.	Orange Harbor.
293	385, 385 <sup>a</sup>	<i>corpulenta</i> Gould.	Direction Isl., Feejees.
293	387-387 <sup>c</sup>	<b>Doris vermicelli</b> Gould.	Valparaiso.

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Page.	Fig.		
294	388-388 <sup>a</sup>	<i>Doris plumulata</i> Gould.	Orange Harbor.
295	389-389 <sup>a</sup>	<i>luteola</i> Gould.	Orange Harbor.
296	390-390 <sup>a</sup>	<i>amaragdina</i> Gould.	Paumotu Group.
295	391, 391 <sup>a</sup>	<i>petechialis</i> Gould.	Oahu.
297	392-392 <sup>b</sup>	<i>lilacina</i> Gould.	Oahu.
298	393-393 <sup>a</sup>	<i>cerebralis</i> Gould.	Feejee Islands.
299	394, 394 <sup>a</sup>	<i>aurita</i> Gould.	Feejee Islands.
300	395-395 <sup>b</sup>	<i>spiraculata</i> Gould.	Feejee Islands.
301	396-396 <sup>a</sup>	<i>superba</i> Gould.	Tutuilla.
302	397-397 <sup>b</sup>	<i>cardinalis</i> Gould.	Honolulu.
303	398, 398 <sup>a</sup>	<i>sumptuosa</i> Gould.	Tonga Island.
304	399-399 <sup>a</sup>	<i>aspera</i> Gould.	Paumotu.
304	400-400 <sup>a</sup>	<i>dorsalis</i> Gould.	Kimeo.
305	401-401 <sup>d</sup>	<i>Eolis attenuatus</i> Gould.	Chili.
306	402-402 <sup>a</sup>	<i>cyanella</i> Gould. [Gould.	Chili.
307	407-407 <sup>a</sup>	<i>Placobranchus ianthobaptus</i>	Honolulu.
307	406, 406 <sup>a</sup>	<i>Diphyllidia rubida</i> Gould.	Honolulu.
308	405, 405 <sup>a</sup>	<i>Elysia lobata</i> Gould.	Honolulu.
308	403-403 <sup>a</sup>	<i>Tritonia cucullata</i> Gould.	Rio Janeiro.
311	408, 408 <sup>a</sup>	<i>Umbrella Indica</i> .	Sandwich Islands.
312	437, 437 <sup>a</sup>	<i>Chiton quercinus</i> Gould.	New South Wales.
315	432, 432 <sup>a</sup>	<i>incanus</i> Gould.	New South Wales.
316	419-419 <sup>b</sup>	<i>pruinosis</i> Gould.	Rio Janeiro.
317	430	<i>jugosus</i> Gould.	New South Wales.
318	413-413 <sup>a</sup>	<i>viridulus</i> Gould.	Orange Harbor.
319	428, 428 <sup>a</sup>	<i>fruticosus</i> Gould.	New South Wales.
320	431, 431 <sup>a</sup>	<i>platessa</i> Gould.	New South Wales.
321	433-433 <sup>b</sup>	<i>dentiens</i> Gould.	
322	423-423 <sup>b</sup>	<i>interinctus</i> Gould.	
323	426, 426 <sup>a</sup>	<i>vespertinus</i> Gould.	
324	412-412 <sup>d</sup>	<i>punicus</i> Couth.	Tierra del Fuego.
325	414, 414 <sup>a</sup>	<i>jaspidus</i> Gould.	Callao.
326	418-418 <sup>b</sup>	<i>asperrimus</i> Couth.	Rio Janeiro.
326	411-411 <sup>a</sup>	<i>castaneus</i> Couth.	Orange Harbor.
327	434-434 <sup>b</sup>	<i>confusus</i> Gould.	Feejee Islands.
328	435-435 <sup>b</sup>	<i>petaloides</i> Gould.	Sandwich Islands.
329	417	<i>disjunctus</i> Fremb.	Villamar, Chili.
329	415	<i>atratus</i> Soub.	Orange Harbor.
330		<i>lignosus</i> Gould.	
		<i>C. Merckii</i> Midd.	
331	420-420 <sup>b</sup>	<i>violaceus</i> Quoy & Gaim.	New Zealand.
332	422	<i>Peruvianus</i> Lam.	
332	416	<i>lineolatus</i> Fremb.	Valparaiso.
332		<i>australis</i> Soub.	

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Page.	Fig.		
333	410	<b>Chiton Zelandicus</b> <i>Quoy &amp; Gaim.</i>	
333	429, 429 <sup>a</sup>	<b>Chitonellus fasciatus</b> <i>Quoy &amp;</i>	
333	421	<b>Chiton Janeirensis</b> <i>Swb.</i> [ <i>Ga.</i> Rio Janeiro.	
333	427	<b>Coquimbensis</b> <i>Fremb.</i>	
334	452-452 <sup>b</sup>	<b>Patella talcosa</b> <i>Gould.</i>	Hawaii.
335	448, 448 <sup>a</sup>	<b>citrullus</b> <i>Gould.</i>	Funchal, Madeira.
336	446-446 <sup>b</sup>	<b>luctuosa</b> <i>Gould.</i>	New Zealand.
337	449-449 <sup>c</sup>	<b>sagittata</b> <i>Gould.</i>	Feejee Islands.
338	439-439 <sup>b</sup>	<b>piperata</b> <i>Gould.</i>	Cape de Verd Isl., Mad.
339	440-440 <sup>a</sup>	<b>Paumotensis</b> <i>Gould.</i>	Paumotu Island.
340	441-441 <sup>b</sup>	<b>illuminata</b> <i>Gould.</i>	Auckland Island.
341	442, 442 <sup>a</sup>	<b>cymbularia</b> <i>Lam.</i>	Lat. 47° 80' S., long. 60°
		<i>P. mytilina</i> <i>Sch. &amp; Wagn.</i>	[W. (floating.)
		<i>cymbuloides</i> <i>D'Orb.</i>	
341	444, 444 <sup>a</sup>	<b>deaurata</b> <i>Gmel.</i>	Orange Harbor.
		<i>P. Magellanica</i> <i>Gmel.</i>	
		<i>fusca</i> <i>Dill.</i>	
343	443, 443 <sup>a</sup>	<b>ferruginea</b> <i>Wood.</i>	Orange Harbor.
343		<b>tramoserica</b> <i>Chemn.</i>	New Zealand.
345	447-447 <sup>b</sup>	<b>cinnamomea</b> <i>Gould.</i>	New South Wales.
345	451	<b>argentata</b> <i>Gray.</i>	Valparaiso.
347	450-450 <sup>b</sup>	( <i>Lottia</i> ) <b>araneosa</b> <i>Gould.</i>	Sooloo Sea.
350	453-453 <sup>c</sup>	<b>Lottia cymbiola</b> <i>Gould.</i>	Valparaiso.
352	460, 460 <sup>a</sup>	<b>zebrina</b> <i>Less.</i>	Vigna del Mar, Valpa-
		<i>L. variabilis</i> <i>Gray.</i>	[raiso.
353	459, 459 <sup>a</sup>	<b>viridula</b> <i>Lam. (Patella.)</i>	Valparaiso.
355	461-461 <sup>b</sup>	<b>onychina</b> <i>Gould.</i>	Rio Janeiro?
356		<b>scutum</b> <i>Esch.</i>	Valparaiso.
		<i>Acmaza persona</i> <i>Esch.</i>	
		<i>radiata</i> <i>Esch.</i>	
		<i>ancylus</i> <i>Esch.</i>	
356		? <b>scurra</b> <i>Less.</i>	Valparaiso.
357	467-467 <sup>b</sup>	<b>Siphonaria cornuta</b> <i>Gould.</i>	Sooloo Sea.
358	465-465 <sup>b</sup>	<b>incolta</b> <i>Gould.</i>	New Zealand.
359	468-468 <sup>b</sup>	<b>normalis</b> <i>Gould.</i>	Sandwich Islands.
360	466-466 <sup>c</sup>	<b>lepida</b> <i>Gould.</i>	Rio Janeiro.
361	463-463 <sup>b</sup>	<b>Lessoni</b> <i>Blainv.</i>	Cape Horn.
362	464-464 <sup>b</sup>	<b>antarctica</b> <i>Couth.</i>	
363	462-462 <sup>b</sup>	<b>lateralis</b> <i>Couth.</i>	Orange Harbor.
364	473-473 <sup>a</sup>	<b>Fissurella occidentens</b> <i>Gould.</i>	Callao.
365	474-474 <sup>c</sup>	<b>cruciata</b> <i>Gould.</i>	Sooloo Sea.
366	472-472 <sup>c</sup>	<b>verna</b> <i>Gould.</i>	Cape de Verd Islands.
367	469, 469 <sup>a</sup>	<b>piota</b> <i>Lam.</i>	Orange Harbor.
370	477-477 <sup>a</sup>	<b>Rimula conica</b> <i>D'Orb.</i>	Cape Horn.

[Gould, Exploring Expedition.]

Page.	Fig.		
371	478-478 <sup>c</sup>	<i>Fissurella cognata</i> Gould.	Orange Harbor.
372	493-493 <sup>c</sup>	<i>Emarginula aspera</i> Gould.	Sydney, N. S. Wales.
373	492-492 <sup>b</sup>	<i>ossea</i> Gould.	Feejee Islands.
373	494-494 <sup>c</sup>	<i>cinerea</i> Gould.	Feejee Islands.
374	491-491 <sup>c</sup>	<i>fungina</i> Gould.	Samoa Island.
377	479	<i>costata</i> Desh. [rum Sowb.	
378	483-483 <sup>c</sup>	<i>Leptoconchus madrepora-</i> <i>Purpura monodonta</i> Q. & G. <i>madreporarum</i> Sb.	Samoa Island.
379	490-490 <sup>b</sup>	<i>Hipponix imbricata</i> Gould.	Sandwich Islands.
380	487-487 <sup>a</sup>	<i>Calyptrea chlorina</i> Gould.	Cape de Verd Islands.
381	488-488 <sup>c</sup>	<i>radiosa</i> Gould.	Sooloo Sea.
382	489-489 <sup>b</sup>	<i>Pileopsis crystallina</i> Gould.	
383	486-486 <sup>a</sup>	<i>Capulus sagittifer</i> Gould.	
384	497-497 <sup>b</sup>	<i>Pholas patula</i> Gould. <i>P. latissima</i> Sowb. ?	Eastern Seas.
386	499	<i>Panopsea antarctica</i> Gould.	Rio Negro, Patagonia.
388	502-502 <sup>b</sup>	<i>Solen scalprum</i> Gould.	Singapore.
389	535-535 <sup>b</sup>	<i>Cypricardia rosea</i> Gould.	Feejee Islands.
390	504-504 <sup>b</sup>	<i>Maotra cuneola</i> Gould.	Callao.
391	503-503 <sup>b</sup>	<i>deluta</i> Gould.	New Zealand.
392	505-505 <sup>b</sup>	<i>marcida</i> Gould.	Orange Harbor.
394	496, 496 <sup>a</sup>	<i>debilis</i> Gould.	Singapore.
395		<i>triangularis</i> Lam.	Feejee Islands.
396	500-500 <sup>b</sup>	<i>Pandora cistula</i> Gould.	Patagonia.
398	510-510 <sup>b</sup>	<i>Osteodesma Brasiliense</i> Gld.	Rio Janeiro.
399	512, 512 <sup>a</sup>	<i>Amphidesma croceum</i> Gould.	Callao?
400	511-511 <sup>b</sup>	<i>Mesodesma mundum</i> Gould.	Sooloo Sea.
401	587-587 <sup>c</sup>	<i>Erycina (Poronia) ovata</i> Gld.	Sandwich Islands.
402	586-586 <sup>b</sup>	( <i>Kellia</i> ) <i>quadrata</i> Gould.	Feejee Islands ?
403	513-513 <sup>b</sup>	<i>Psammobia florida</i> Gould.	Illawarra, N. S. Wales.
404	519-519 <sup>b</sup>	<i>Tellina concentrica</i> Gould.	Feejee Islands.
405	518-518 <sup>b</sup>	<i>tithonia</i> Gould.	Sooloo Sea.
406	515-515 <sup>b</sup>	<i>compta</i> Gould. <i>T. decora</i> Gould.	Loo Choo Islands.
407	517-517 <sup>b</sup>	<i>exculta</i> Gould.	Feejee Islands.
408	514-514 <sup>b</sup>	<i>lauta</i> Gould.	
409	516-516 <sup>c</sup>	<i>perula</i> Gould.	Feejee Islands.
410	520-520 <sup>b</sup>	<i>Donax pallidus</i> Gould.	Singapore.
411	521, 521 <sup>a</sup>	<i>tinctus</i> Gould.	Mergin Archipelago?
412	522-522 <sup>b</sup>	<i>croceatus</i> Gould.	Mangsi Island, Sooloo
412	524-524 <sup>b</sup>	<i>Lucina inculata</i> Gould.	New Zealand. [Sea.
413	528-528 <sup>b</sup>	<i>lenticula</i> Gould.	Rio Janeiro.
414	525-525 <sup>b</sup>	<i>vesicula</i> Gould.	Tonga Island.

## [Gould, Exploring Expedition.]

Page.	Fig.		
416	523-523 <sup>b</sup>	<b>Lucina ramulosa</b> Gould.	Paumotu Island.
		<i>L. fibula</i> Rve.	
416	533	<b>Cardita procera</b> Gould.	Rio Negro, Patagonia.
419	537, 537 <sup>a</sup>	<b>Venus toreuma</b> Gould.	Mangsi Island, Sooloo Sea.
422	536, 536 <sup>a</sup>	<b>Arthemis lambata</b> Gould.	Bay of Islands, N. Z.
423		<b>Venus calcarea</b> Gould.	New Zealand.
423	560-560 <sup>b</sup>	<b>Arca sobria</b> Gould.	
424	539-539 <sup>a</sup>	<b>Nucula sulculata</b> Gould.	Cape Horn.
425	526-526 <sup>b</sup>	<b>Cycolas egregia</b> Gould.	New South Wales.
427	529-529 <sup>b</sup>	<b>Cyrena debilis</b> Gould.	New Holland.
428	542-542 <sup>c</sup>	<b>Unio lutulentus</b> Gould.	New Zealand.
429	543-543 <sup>b</sup>	<i>profugus</i> Gould.	New South Wales.
430	540-540 <sup>b</sup>	<i>dorsuosus</i> Gould.	Eastern Asia.
431	541-541 <sup>c</sup>	<i>verecundus</i> Gould.	Manilla.
434	548-548 <sup>b</sup>	<b>Anodonta puberula</b> Gould.	Peru.
		<i>Anodon glauca</i> Gould.	
437	555	<b>Avicula margaritifera</b> (Linn.) Roissy.	
		<i>Meleagrina margaritifera</i> Lam.	
438	554	<b>nigra</b> Gould.	Singapore.
439	553, 553 <sup>a</sup>	<b>vidua</b> Gould.	Feejee Islands.
440	550, 550 <sup>a</sup>	<b>lurida</b> Gould.	Feejee Islands.
441	551, 551 <sup>a</sup>	<b>fucata</b> Gould.	New Zealand.
442	552-552 <sup>b</sup>	<b>glabra</b> Gould.	New Zealand.
443	549-549 <sup>b</sup>	<b>pica</b> Gould.	Samoa Island.
444	559, 559 <sup>a</sup>	<b>Perna argillacea</b> Gould.	
445	558, 558 <sup>a</sup>	<i>torva</i> Gould.	Sandwich Islands.
445	550, 556 <sup>a</sup>	<i>nana</i> Gould.	Feejee Islands.
446	557-557 <sup>c</sup>	<i>eremita</i> Gould.	Paumotu Island.
447	584-584 <sup>b</sup>	<b>Crenatula pergaminea</b> Gould.	Feejees Islands.
448	574	<b>Pinna senticosa</b> Gould.	New Zealand.
449	565, 565 <sup>a</sup>	<b>Mytilus divaricatus</b> Gould.	China Seas.
450	566, 566 <sup>a</sup>	<i>algosus</i> Gould.	Feejee Islands.
451	564, 564 <sup>a</sup>	<b>pyriformis</b> Gould.	South Seas.
452	562, 562 <sup>a</sup>	( <b>Modiola</b> ) <b>areolatus</b> Gld.	New Zealand.
454	563, 563 <sup>a</sup>	( <b>Modiola</b> ) <b>hepaticus</b> Gld.	Feejee Islands.
455	585-585 <sup>c</sup>	( <b>Modiolarca</b> ) <b>pusillus</b> Gd.	Tierra del Fuego.
456	571-571 <sup>b</sup>	<b>Pecten lætus</b> Gould	New Zealand.
459	568-568 <sup>f</sup>	<b>Gaimardia trapesina</b> Gould.	Lat. 47° 30' S., long. 59°
		<i>Modiola trapesina</i> Lam.	53' W., and Orange Harbor.
461	577-577 <sup>b</sup>	<b>Ostrea glomerata</b> Gould.	New Zealand.
462	576-576 <sup>b</sup>	<b>circumsuta</b> Gould.	Feejee and Samoa Isl'ds.
463	578, 578 <sup>a</sup>	<b>discoidea</b> Gould.	
464	575, 575 <sup>a</sup>	<b>mordax</b> Gould.	Feejee Islands.



## [Gould, Exploring Expedition.]

Page.	Fig.		
465	580-580 <sup>a</sup>	<i>Crania radiosa</i> Gould.	Rio Janeiro.
469	583-583 <sup>a</sup>	<i>Terebratula Patagonica</i> Gld.	Patagonia.
470	585	<i>Argonauta geniculata</i> Gould.	Rio Janeiro.
471	586, 586 <sup>a</sup>	<i>Octopus megalocyathus</i> Gld.	Orange Harbor.
473	587, 587 <sup>a</sup>	<i>mimus</i> Gould.	Callao, Peru.
474	588	<i>tetricus</i> Gould.	New South Wales.
475	589	<i>furvus</i> Gould	Rio Janeiro.
476	590, 590 <sup>a</sup>	<i>ornatus</i> Gould.	Sandwich Islands.
478	591	<i>pusillus</i> Gould.	Mangai Island, China Sea.
479	592	<i>mollis</i> Gould.	Samoa Island.
479	593	<i>Sepioteuthis arctipinnis</i> Gld.	Maui, Sandwich Islands.
480	594, 594 <sup>a</sup>	<i>Ommastrephes insignis</i> Gld.	Feejee Islands.
482	595	<i>Onychoteuthis rutulis</i> Gould.	New South Wales.
483	596	<i>brevimanus</i> Gould.	Tutuilla.
485	602-602 <sup>b</sup>	<i>Limacina scaphoidea</i> Gould.	Equatorial Atlantic.
486	601-601 <sup>b</sup>	? <i>cucullata</i> Gould.	An ice island, lat. 66° S.,
487	604, 604 <sup>a</sup>	<i>Hyalæa inermis</i> Gould.	[long. 106° 20' E.
487	603	<i>femorata</i> Gould.	Equatorial Atlantic.
488	605-605 <sup>b</sup>	<i>Cleodora exacuta</i> Gould.	Lat. 44° N., long. 154° W.
489	607, 607 <sup>a</sup>	<i>munda</i> Gould.	Equatorial Atlantic.
490	606	<i>placida</i> Gould.	Equatorial Atlantic.
490	608	<i>falcata</i> Gould.	Pacific Ocean.
491	597	<i>Atlanta primitia</i> Gould.	Equatorial Atlantic.
492	198-198 <sup>b</sup>	<i>cunicula</i> Gould.	West of Sandwich Isl'ds.
493	599-599 <sup>b</sup>	<i>violacea</i> Gould.	Stomach of a Bonito, lat. 3° S., long. 20° W.
494	600-600 <sup>b</sup>	<i>tessellata</i> Gould.	Stomach of a Bonito, lat. 3° S., long. 20° W.
495	609	<i>Cynthia amphora</i> Gould.	Rio Janeiro.
495	610	<i>Phallusia violacea</i> Gould.	Rio Janeiro.
496	611	<i>Ascidia monstrans</i> .	Rio Janeiro.
496	612, 612 <sup>a</sup>	<i>Boltenia coacta</i> Gould.	Orange Harbor.

## ADDENDA AND CORRIGENDA.

Page.		Page.	
*500	<i>Athoracophorus</i> .	*500	<i>Succinea rotundata</i> .
*500	<i>Vitrina Ruivensis</i> .		<i>S. Newcombi</i> Pfr.
*500	<i>marcida</i> .	*500	<i>venusta</i> .
*500	<i>nitida</i> .	*500	<i>Nanina fricata</i> .
*500	<i>robusta</i> .	*500	<i>Helix intaminata</i> .
*500	<i>asperata</i> .		<i>H. Broderipii</i> Pfr. ?
*500	<i>tenella</i> .		<i>Carocolla dealbata</i> Bnd.
*500	<i>furva</i> .	*501	<i>spirillus</i> .

[Gould, Exploring Expedition.]

Page.		Page.	
*501	<b>Helix zig-zag.</b>	*502	<b>Cyclostoma strigatum.</b>
	<i>H. rapida</i> Pfr.		<i>C. albida.</i>
*501	<b>oultrata.</b>	*502	<b>plicatum.</b>
	<i>H. callifera</i> Pfr.		<i>C. Apia</i> Recl.
*501	<b>exæquata.</b>	*502	<b>Planorbis Kermatoides.</b>
	<i>H. disculus</i> Pfr.	*502	<b>Melania scipio.</b>
*501	<b>bursatella.</b>		<i>M. verruculum</i> Morel.?
	<i>H. turricula.</i>	*502	<b>Cerithium invaginatum.</b>
	<i>excavata.</i>		<i>C. planum</i> Phil.
*501	<b>Troilus.</b>	*502	<b>aduncum.</b>
	<i>H. Apia.</i>		<i>C. dorsuosum</i> A. Ad.
	<i>exclusa.</i>	*502	<b>Pelex lateralis.</b>
*501	<b>nitidiuscula.</b>	*502	<b>Neritina castra.</b>
*501	<b>Bulimus fulguratus.</b>	*502	<b>Nerita musiva.</b>
*501	<b>Partula sebrina.</b>	*503	<b>Turbo laciniatus.</b>
	<i>P. Recluziana</i> Petit.	*503	<b>Trochus tantillus.</b>
*502	<b>Vertigo tantilla.</b>		<i>Margarita angulata</i> A.
		*503	<b>Littopa decussata.</b> [Ad.
		*503	<b>Obeliscus terebelloides.</b>

Page.	Fig.		
*503	274-274 <sup>b</sup>	<b>Trichotropis pusilla.</b>	Liberia.
*504	296-296 <sup>b</sup>	<b>Triton Brazilianum</b> Gould.	Rio Janeiro.
*506	297-297 <sup>b</sup>	<b>mundum</b> Gould.	Tutuilla.
*507	360, 360 <sup>a</sup>	<b>Phos varicosus.</b>	Philippine Islands.
*508	305, 305 <sup>a</sup>	<b>Ricinula tuberculata.</b>	
*508	323	<b>Buccinum farinosum.</b>	
*508	351	<b>Mitra capillata.</b>	
*508	382	<b>Peronia indolens.</b>	
*508		<b>Mactra debilis.</b>	
*508		<b>Donax crocatus.</b>	
*508		<b>Venus toreuma.</b>	
		<i>V. crebrisulca</i> Sowb.?	
*508		<b>Unio dorsuosus.</b>	
		<i>U. Napeanensis</i> Conr.	
*509		<b>Gaimardia trapesina.</b>	
*509		<b>Ostrea discoidea.</b>	

**Dana.**—On the question whether Temperature determines the distribution of Marine Species of Animals in Depth: by JAMES D. DANA. (From Am. Journ. Sc., n. s., vol. xv, p. 204. March, 1853.)

Page.	Notes on—	Page.	
205	<i>Corbula nucleus.</i>	205	<i>Lucina spinifera.</i>
205	<i>Nesera cuspidata.</i>	205	<i>Kellia suborbicularis.</i>
205	<i>Thracia phaseolina.</i>	205	<i>Modiola tulipa.</i>
205	<i>Solen pellucidus.</i>	205	<i> barbata.</i>
205	<i>Psammobia feroensis.</i>	205	<i>Arca tetragona.</i>
205	<i>Tellina donacina.</i>	205	<i> lactea.</i>
205	<i>Mactra subtruncata.</i>	205	<i>Pectunculus glycymeria.</i>
205	<i>Lutraria elliptica.</i>	205	<i>Nucula nitida.</i>
205	<i>Cytherea chione.</i>	205	<i> nucleus.</i>
205	<i>Venus ovata.</i>	205	<i>Lima subauriculata.</i>
205	<i> fasciata.</i>	205	<i>Pecten similis.</i>
205	<i> verrucosa.</i>	205	<i> maximus.</i>
205	<i>Artemis lineata.</i>	205	<i> opercularis.</i>
205	<i>Cardium echinatum.</i>	205	<i> varius.</i>
205	<i>Lucina flexuosa.</i>	205	<i>Anomia ehippium.</i>

**Conrad.**—Descriptions of new species of *Unio*: by T. A. CONRAD. (From Journ. Acad. Nat. Sc. Philadelphia, n. s., vol. ii, pt. 4, p. 295. February, 1854. Vide also, ante, p. 405.)

[The following are the foreign species.—W. G. B.]

Pa.	Pl.	Fig.		
295	xxvi	2	<i>Unio depressus</i> Lam.	Bogan river, Australia.
			<i>U. cultelliformis</i> Conr.	
295	xxvi	3	<i>Balonensis</i> Conr.	
296	xxvi	4	<i>Napeanensis</i> Conr.	
296			<i>depressa</i> D'Orb. is not <i>depressa</i> Lam.	
296	xxvi	6	_____.	Australia.
298			Synopsis of the genus <i>Pleiodon.</i>	
298			<i>Pleiodon ovata.</i>	
			<i>Iridina ovata</i> Swains.	
298			<i>Macmurtrei</i> Conr.	
299			<i>splendens.</i>	
			<i>Iridina splendens</i> Chenn.	

**Conrad.**—Monograph of the genus *Argonauta*, Linné, with descriptions of five new species: by T. A. CONRAD. (From same as last, p. 331.)

Pa.	Pl.	Fig.		
331			<b>Argonauta argo</b> Linn.	Mediterranean.
331			<b>compressa</b> Blainv.	Indian Ocean.
331	xxxiv	1	<b>papyratia</b> Conr.	
332			<b>gondola</b> Dillw.	South Atlantic.
			<i>A. navicula</i> Sol. ?	
			<i>Cranchii</i> Leach ?	
			<i>haustrum</i> Dillw. ?	
			<i>raricosta</i> Blainv.	
332			<b>hians</b> Sol.	South Atlantic.
			<i>A. nitida</i> Desh. in Lam.	
332			<b>Oweni</b> Adams.	South Atlantic.
332			<b>nodosa</b> Sol.	Indian Ocean.
			<i>A. tuberculata</i> Shaw.	
			<i>tuberculosa</i> Lam.	
332	xxxiv	2	<b>cornuta</b> Conr.	
332	xxxiv	3	<b>dispar</b> Conr.	
333	xxxiv	4	<b>polita</b> Conr.	
333			<b>Nouryi</b> Lorois.	Pacific Ocean.
334			<b>crassicoosta</b> Blainv.	Australia.
334			<b>naviformis.</b>	
			<i>A. argo</i> (var.) Poli.	
334			<b>geniculata</b> Gould.	

**Gould.**—List of Shells brought home by the U. S. N. Astronomical Expedition: by AUG. A. GOULD. (From the United States Astronomical Expedition to the Southern Hemisphere, during the years 1849–52, Lieut. J. M. Gillis, Superintendent. Vol. ii, p. 263. Washington, 1855. Thirty-third Congress, First Session, House of Representatives, Ex. Doc., No. 121, 4to.)

[No descriptions are given.—W. G. B.]

Page.		Page.	
263	<b>Chiton aculeatus</b> Linn.	263	<b>Chiton Peruvianus</b> Lam.
	Coquimbo.	263	<b>granosus</b> Frembl.
263	<b>spiniferus</b> Frembl.	263	<b>Cumingii</b> Sowb.
263	<b>magnificus</b> Desh.	263	<b>Oliva Peruviana</b> Lam.
263	<b>olivaceus</b> Frembl.		Coquimbo.

Page.		Page.	
263	var. <i>Senegalensis</i> .	263	<i>Cardium fragum</i> .
263	<i>Turbo niger</i> Gray.	263	<i>Conus eburneus</i> .
263	<i>Trochus ater</i> Less.	263	<i>Ricinula horrida</i> .
263	<i>araucanus</i> D'Orb.	263	<i>albilabris</i> .
263	<i>Murex crassilabrum</i> .	263	<i>Monoceros crassilabrum</i>
263	<i>horridus</i> Sowb.	263	<i>Oliva guttata</i> . [Lam.]
263	<i>Boivini</i> Kien.	263	<i>jaspea</i> .
263	<i>Fissurella latimarginata</i>	263	<i>elegans</i> .
263	<i>Calyptræa pileus</i> . [Sowb.]	263	<i>flammulata</i> ?
263	<i>Peruviana</i> .	263	<i>Strombus gibberulus</i> .
263	<i>Littorina Peruviana</i> Gray.	263	<i>Cerithium lineatum</i> .
263	<i>araucana</i> D'Orb.	263	<i>Cyprea moneta</i> .
263	<i>Bulimus erythrostoma</i>	263	<i>annulus</i> .
263	<i>Acmsæa viridula</i> . [Sowb.]	263	<i>cicercula</i> .
263	var. <i>Achates</i> .	263	<i>eburnea</i> .
263	<i>scutum</i> D'Orb. & Esch.	263	<i>fimbriata</i> .
263	<i>scurra</i> Less.	263	<i>Venus pannosa</i> Sowb.
263	<i>Triton scaber</i> King.	263	<i>Terebra cinerea</i> .
263	<i>rudis</i> Sowb.	263	<i>striata</i> .
263	<i>Nassa rubricata</i> Gould.	263	<i>Nerita albicilla</i> .
263	<i>Mesodesma donacia</i> Lam.	263	<i>Le Guillonana</i> .
263	<i>Cytherea pannosa</i> ? D'Orb.	263	<i>Neritina canales</i> Sowb.
263	<i>Mytilus</i> ———.	263	<i>Siphonaria Lessoni</i> Blaise.
263	<i>Planorbis</i> ———.	263	<i>Natica uber</i> .
263	<i>Dombeya</i> ( <i>Chilina</i> ) <i>fuc-</i>	263	<i>Melampus</i> ———.
263	<i>Cardium unedo</i> . [tuosa.]		

**Jay.**—Report on the Shells collected by the Japan Expedition, under the command of Commodore M. C. Perry, U. S. N., together with a list of Japan Shells: by JOHN C. JAY, of New York. (From the Report of Perry's Expedition to Japan, vol. ii, p. 291. Washington, 1856. Thirty-third Congress, Second Session, Senate Ex. Doc., No. 79.)

Pa.	Pl.	Fig.		
292	i	7-10	<i>Mya Japonica</i> Jay.	Volcano Bay, Yedo.
292	i	8, 9	<i>Psammobia olivacea</i> Jay.	Bay of Yedo.
292	ii	1, 2	<i>Cytherea meretrix</i> Linn.	Canton river, Yedo.
293	i	1-6	<i>formosa</i> Sowb.	Low Chew.
293	ii	3-5, 10	<i>morphina</i> Lam.	Canton river, Low Chew.
293	ii	6-9	<i>petechialis</i> L'k.	Low Chew.
293	iii	1, 2	<i>Dipsas plicatus</i> .	Shanghai.



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296	<b>Helix Sieboldiana</b> <i>Phil.</i>	297	<b>Cerithium nebulosum</b> <i>Phil.</i>
296	<i>elegantissima</i> <i>Pfr.</i>	297	<b>Fusus fornicatus</b> <i>Gmel.</i>
296	<i>Japonica</i> <i>Pfr.</i>	297	<b>Pyrula ficoides</b> <i>Lam.</i>
296	<i>horiomphala</i> <i>Pfr.</i>	297	<b>Cancellarianodulifera</b> <i>Sowb.</i>
296	<i>conospira</i> <i>Pfr.</i>	297	<b>Pleurotoma flavidula</b> <i>Lam.</i>
296	<b>Bulimus rimatus</b> <i>Pfr.</i>	297	<b>Murex falcatus</b> <i>Sowb.</i>
296	<b>Clausilia Buschii</b> <i>Küst.</i>	297	<i>inermis</i> <i>Sowb.</i>
296	<i>valida</i> <i>Pfr.</i>	297	<i>eurypteron</i> <i>Rve.</i>
296	<b>Sieboldii</b> <i>Pfr.</i>	297	<b>Strombus Japonicus</b> <i>Rve.</i>
296	<b>Auricula hepatica</b> <i>Phil.</i>	297	<b>Cassis saburon</b> <i>Lam.</i>
296	<b>Lymnea Japonica</b> <i>Jay.</i>	297	<i>Japonica</i> <i>Rve.</i>
296	<i>flava</i> <i>Phil.</i>	297	<b>Columbella versicolor</b> <i>Sb.</i>
296	<b>Melania Bensoni</b> <i>Phil.</i>	297	<b>Purpura septentrionalis</b> <i>Re.</i>
296	<b>Natica Antoni</b> <i>Phil.</i>	297	<b>Dolium variegatum</b> <i>Lam.</i>
296	<i>duplicata</i> <i>Say.</i>	297	<b>Buccinum Chinense</b> <i>Phil.</i>
296	<i>mamilla</i> <i>Lam.</i>	297	<i>achatinum</i> <i>Lam.</i>
296	<i>olla</i> <i>Desh.</i>	297	<b>Nassa Japonica</b> <i>A. Ad.</i>
296	<b>Actæon Dianæ</b> <i>A. Ad.</i>	297	<i>ponderosa</i> <i>A. Ad.</i>
296	<b>Ianthina communis</b> <i>Lam.</i>	297	<b>Desmoulea crassa</b> <i>A. Ad.</i>
296	<i>prolongata</i> <i>Blainv.</i>	297	<b>Bullia Perryi</b> <i>Jay.</i>
296	<b>Obeliscus pulchellus</b> <i>A. Ad.</i>	297	<b>Eburna Japonica</b> <i>Rve.</i>
296	<i>brunneus</i> <i>A. Ad.</i>	297	<b>Terebra serotina</b> <i>A. Ad.</i>
296	<b>Globulus giganteus</b> <i>Less.</i>	297	<b>Mitra impressa</b> <i>Anton.</i>
296	<b>Xenophora pallidulus</b> <i>Rve.</i>	297	<i>incisa</i> <i>A. Ad.</i>
296	<b>Monodonta catenulata.</b>	297	<b>Voluta megaspira</b> <i>Sowb.</i>
296	<i>exigua</i> <i>A. Ad.</i>	297	<i>cassidula</i> <i>Rve.</i>
296	<b>Trochus Japonicus</b> <i>Dunk.</i>	297	<b>Cypræacaputserpentis</b> <i>Lin.</i>
296	<i>triumphans</i> <i>Phil.</i>	297	<i>millaris</i> <i>Gmel.</i>
296	<b>Clanculus Smithii</b> <i>Wood.</i>	297	<i>fimbriata</i> <i>Gmel.</i>
296	<b>Turbo Japonicus</b> <i>Rve.</i>	297	<i>pallida</i> <i>Gray.</i>
296	<b>Littorina Sieboldii</b> <i>Phil.</i>	297	<b>Ovulum concinnum</b> <i>Sowb.</i>
296	<i>Cecillii</i> <i>Phil.</i>	297	<i>birostre</i> <i>Lam.</i>
296	<b>Turritella aquila</b> <i>Rve.</i>	297	<i>striatulum</i> <i>Lam.</i>
297	<b>Eglisia Cumingii</b> <i>A. Ad.</i>	297	<i>volva</i> <i>Linn.</i>
297	<b>Cerithium Cecillii</b> <i>Phil.</i>	297	<b>Conus Sieboldii</b> <i>Rve.</i>

**Lea.**—Proceedings of the American Philosophical Society.  
Philadelphia.

[For localities of the following species, vide quotations from the Transactions of this Society.—W. G. B.]

**Isaac Lea.**—Descriptions of—

Page.	Page.
Vol. i, No. 10. Jan.—Feb. 1840.	
173 <b>Bulimus Woodianus</b> <i>Lea.</i>	288 <b>Margaritana Vonden-</b> <b>buschiana</b> <i>Lea.</i>
173 <b>bicoloratus</b> <i>Lea.</i>	Vol. ii, No. 17. Mar.—Apr. 1841.
173 <b>subglobosus</b> <i>Lea.</i>	30 <b>Unio Rajahensis</b> <i>Lea.</i>
173 <b>gracilis</b> <i>Lea.</i>	31 <b>Anodonta Montezuma</b> <i>Lea.</i>
174 <b>carinatus</b> <i>Lea.</i>	31 <b>Bulimus Jayanus</b> <i>Lea.</i>
174 <b>virido-striatus</b> <i>Lea.</i>	31 <b>Achatina turbinata</b> <i>Lea.</i>
174 <b>virginus</b> <i>Lea.</i>	31 <b>striata</b> <i>Lea.</i>
174 <b>Liberianus</b> <i>Lea.</i>	31 <b>Succinea gracilis</b> <i>Lea.</i>
174 <b>Cyclostoma Woodiana</b> <i>Lea.</i>	32 <b>Candeana</b> <i>Lea.</i>
174 <b>Carocolla bifasciata</b> <i>Lea.</i>	32 <b>fulgens</b> <i>Lea.</i>
174 <b>Helix cepoides</b> <i>Lea.</i>	33 <b>Lymnea rubella</b> <i>Lea.</i>
174 <b>Blainvilliana</b> <i>Lea.</i>	Vol. ii, No. 23. Aug.—Oct. 1842
174 <b>Lamarckiana</b> <i>Lea.</i>	Notes on—
175 <b>luteo-fasciata</b> <i>Lea.</i>	213 <b>Petricola solida</b> <i>Lea.</i>
175 <b>ferruginea</b> <i>Lea.</i>	Payta, Peru.
175 <b>Cuvieriana</b> <i>Lea.</i>	213 <b>denticulata</b> <i>Lea.</i>
175 <b>Blandingiana</b> <i>Lea.</i>	Payta, Peru.
175 <b>Humphreysiana</b> <i>Lea.</i>	213 <b>Lithophagus dactylus</b> <i>Lea.</i>
175 <b>Balasteriana</b> <i>Lea.</i>	Payta, Peru.
Vol. i, No. 13. Aug.—Oct. 1840.	213 <b>Ostrea</b> ——— <i>Lea.</i>
285 <b>Unio cucumoides</b> <i>Lea.</i>	Payta, Peru.
285 <b>delphinus</b> <i>Lea.</i>	Vol. v, No. 48. Feb.—Dec. 1852.
285 <b>orientalis</b> <i>Lea.</i>	252 <b>Basistoma</b> <i>Lea</i> (n. g.)
285 <b>Javanus</b> <i>Lea.</i>	



**Binney, Couthouy, Gould, &c.**—In the Boston Journal of Natural History occur the following :—

Vol. 1, pt. 1. 1834.

Page. Pl. Fig.

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**Binney.**—Observations on a Shell in the Cabinet of the Boston Society of Natural History, supposed to be identical with the *Murex Aruanus* of Linnaeus, and the *Fusus Probosciferus* of Lamarck: by A. BINNEY.

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**Fusus Aruanus.**

East Indies?

vi

*Murex Aruanus* Linn.

*Fusus probosciferus* Lam.

Vol. 1, pt. 4. May, 1837.

440

**Couthouy.**—Description of a new species of the genus *Marginella* (Lam.), with some observations on the same: by JOSEPH P. COUTHOUY.

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1, 2

**Marginella Storeria** Couth.

S. shores of Gulf of Mexico.

Vol. II, pt. 2. Feb. 1839.

129

**Couthouy.**—Monograph of the family *Osteodermacea* of Deshayes, with remarks on two species of *Patelloidea*, and descriptions of new species of Marine Shells, a species of *Anculotus*, and one of *Bolis*: by JOSEPH P. COUTHOUY.

[For the American species, vide p. 345.—W. G. B.]

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**Thracia pubescens.**

English Channel.

*Mya declivis* Penn.

*pubescens* Pult.

*Anatina myalis* Lam.

*declivis* Brown.

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**convexa.**

Great Britain.

*Mya declivis* Don.

*convexa* Wood.

*Anatina convexa* Turt.

*Ligula distorta* Mont.

143

**orbuloidea.**

Mediterranean.

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**plicata.**

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**phaseolina.**

*Amphidesma phaseolina* Lam.

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**similis** Couth.

Brazil.

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Page.	Pl.	Fig.	
158			Notes on—
158			<i>Anatina declivis</i> Turt.
159			<i>villosiuscula</i> Brown.
159			<i>Mya distorta</i> Mont.
160			<i>Periploma trapezoides</i> . Brazil.
			<i>Anatina trapezoides</i> Lam.
			<i>Osteodesma trapezoides</i> Blainv.

Vol. iv, pt. 4. 1844.

452			<b>Gould.</b> —Descriptions of Land Shells from the Province of Tavoy, in British Burmah: by AUGUSTUS A. GOULD, M. D.
453	xxiv	1	<i>Helix procumbens</i> Gould.
453	xxiv	6	<i>infrendens</i> Gould.
454	xxiv	9	( <i>Carocolla</i> ) <i>gabata</i> Gould.
454	xxiv	4	<i>anceps</i> Gould.
455	xxiv	5	<i>retrorsa</i> Gould.
456	xxiv	2	<i>Vitrina preestans</i> Gould.
456	xxiv	7	<i>Helix (Steptaxis) Petitii</i> Gould.
457	xxiv	3	<i>Bulimus atricallosus</i> Gould.
458	xxiv	8	<i>Clausilia insignis</i> Gould.
458	xxiv	11	<i>Cyclostoma pernobilis</i> Gould.
459	xxiv	10	<i>sectilabrum</i> Gould.
485			<b>Gould.</b> —Descriptions and notices of some of the Land Shells of Cuba: by A. A. GOULD, M. D.
			[Notes and localities of each species are given and descriptions of the new species.—W. G. B.]
486			<i>Helix auricoma</i> Fer.
486			<i>Bonplandii</i> Lam.
487			<i>multistriata</i> Desh.
			<i>H. circumtexta</i> Fer.
487			<i>Poeyi</i> Pet.
487			<i>gilvus</i> Fer.
			<i>H. penicillata</i> Gould.
487			<i>Cubensis</i> Pfr.
			<i>H. Lanieriana</i> D'Orb.
488			<i>fragilis</i> Pfr.
488			<i>Boothiana</i> Pfr.
488			<i>Ottonis</i> Pfr.
488			<i>saxicola</i> Pfr.
488			<i>septemvolva</i> Say.
488			<i>Ramonis</i> D'Orb.

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Page.	Pl.	Fig.	
489			<b>Achatina fasciata</b> Müll. <i>A. vexillum</i> Brug.
489			<b>graecillima</b> Pfr.
489			<b>octona</b> Chemn.
489			<b>Glandina oleacea</b> Fer.
489			<b>folliculus</b> Lam. <i>Achatina solidula</i> Pfr.
490			<b>Pupa unidentata</b> Lam. <i>Bulinus Canimensis</i> Pfr.
490			<b>servilis</b> Gould. Described on p. 356, pl. xvi, fig. 14.
490			<b>contracta</b> Say.
490			<b>ohrysalis</b> Fer.
490			<b>elegans</b> ( <i>Cylindrella</i> ) Pfr. <i>P. (Siphonostoma) lituus</i> Gould.
490	xxiv	12	<b>(Siphonostoma) porrecta</b> Gould.
491	xxiv	13	<b>lactaria</b> Gould.
492			<b>subula</b> Fer. ?
492			<b>(Cyl.) crispula</b> Pfr.
492			<b>Helicina submarginata</b> Gr. <i>H. rubra</i> Pfr. <i>crassa</i> D'Orb.
492			<b>sagra</b> D'Orb.
492			<b>pulcherrima</b> Lea.
493			<b>adpersa</b> Pfr. <i>H. variegata</i> D'Orb.
493			<b>globulosa</b> D'Orb.
493			<b>nitida</b> Pfr. <i>H. glabra</i> Gould.
493			<b>rugosa</b> Pfr.
493			<b>hispidula</b> Pfr.
493			<b>rupestris</b> Pfr.
494			<b>Cyclostoma auriculatum</b> D'Orb. <i>C. bicolor</i> Gould.
494			<b>sagra</b> D'Orb. <i>C. pictum</i> Pfr. <i>mahogani</i> Gould.
494			<b>interruptum</b> Sowb. <i>C. catenatum</i> Gould.
495			<b>rugulosum</b> Pfr. <i>C. clathratum</i> Gould.
495			<b>Candeanum</b> Sowb.
495			<b>Auberianum</b> D'Orb. <i>C. crenulatum</i> Pfr.

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Page.	Pl.	Fig.	
495			<b>Succinea</b> ——— ?
495			<b>Limnea</b> ——— ?
495			<b>Physa</b> ——— ?
496			<b>Planorbis Havanensis</b> Pfr.
496			<b>Cubensis</b> Pfr.
496			<b>cultratus</b> D'Orb.
496			<b>Lanieriana</b> D'Orb.
496	xxiv	14	<b>dentatus</b> Gould. <i>P. albicans</i> Pfr. ?

Notes on—

497			<b>Littorina tuberculata</b> Mke.
498			<b>Turbo trochiformis</b> Dillw.
498			<b>Trochus nodulosus</b> Gmel. <i>tuberculatus</i> Wood.
498			<b>Littorina dilatata</b> D'Orb.

Vol. iv, pt. 4. 1842.

**A. A. Gould.**—(On the third page of the cover of pt. 1, of vol. iv, occur descriptions of the following.)

<b>Helix penicillata</b> Gould.	Cuba.
<b>Helicina glabra</b> Gould.	Cuba.
<b>Pupa (Siphonostoma) porrecta</b> Gould.	Cuba.
<i>lituus</i> Gould.	[Gould. Cuba.
<b>Cyclostoma bicolor</b> Gould.	Cuba.
<i>clathratum</i> Gould.	Cuba.
<i>mahogani</i> Gould.	Cuba.
<i>catenatum</i> Gould.	Cuba.
<b>Conus castrensis</b> Gould.	

Vol. v, pt. 2. Oct. 1843.

290			<b>Gould.</b> —Descriptions of Shells from the Coast of Africa: by AUGUSTUS A. GOULD, M. D.
290	xxiv	7	<b>Pholas branchiata</b> Gould.
291	xxiv	9	<b>Psammobia figlina</b> Gould.
292	xxiv	8	<b>Nucula bicuspidata</b> Gould.
292	xxiv	10	<b>Nassa turbinea</b> Gould.
293	xxiv	11	<i>elata</i> Gould.

Vol. v, pt. 3. June, 1846.

344	xx	1-3	<b>Leidy.</b> —Anatomical description of the animal of <b>Littorina angulifera</b> Lam.: by JOSEPH LEIDY, M. D.
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**Gould, Adams, &c.**—Proceedings of the Boston Society  
of Natural History.

- Oct. 1843.  
Vol. Page.
- i 138 **Dr. A. A. Gould.**
- i 138 *Helix penicillata* = **H. gilvus** Fer.
- i 138 *Helicina glabra* = **Helicina nitida** Pfr.
- i 138 *Pupa carinata* = **P. procera** Gould.
- i 138 *Siphonostoma lituus* **Cylindrella elegans** Pfr.
- i 138 *Cyclostoma clathratum* = **C. rugulosum** Pfr.
- i 138 *Mahogani* = **C. Sagra** D'Orb. (*pictum* Pfr.)
- i 138 *bicolor* = **C. auriculatum** D'Orb.
- i 138 **Siphonostoma porrectum** Gould. Cuba.
- i 138 **Cyclostoma catenatum** Gould. Cuba.
- i 138 **Conus castrensis** Gould.
- i 138 *Pupa servilis* Gould. Cuba, Santa Cruz.
- i 139 *lyrata* Gould. Sandwich Islands.
- i 139 **Helix procumbens** Gould. Tavoy.
- i 139 *infrendens* Gould. Tavoy.
- i 139 (**Carocolla**) *gabata* Gould. Tavoy.
- i 139 *retrorsa* Gould. Tavoy.
- i 139 *anceps* Gould. Tavoy.
- i 140 **Vitrina præstans** Gould. Tavoy.
- i 140 **Bulimus atricallosus** Gould. Tavoy.
- i 140 **Clausilia insignis** Gould. Tavoy.
- i 140 **Cyclostoma pernobilis** Gould. Tavoy.
- i 140 *sectilabrum* Gould. Tavoy.
- i 140 **Unio Tavoyensis** Gould. Tavoy.
- i 141 *crispata* Gould. Tavoy.
- i 141 *foliacea* Gould. Tavoy.
- i 141 *exolescens* Gould. Tavoy.
- i 144 **Paludina dollaris** Gould. Burmah.
- i 144 *petrosa* Gould. Burmah.
- i 144 **Melania batana** Gould. Burmah.
- i 144 **Modiola varicosa** Gould. Burmah.
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Notes on—
- i 148 **Melampus and Pedipes.**
- Dec. 1843.
- i 157 **Helix (Carocolla) pellucida** Gould. Africa.
- i 158 **Bulimus rubicundulus** Gould. Africa.
- i 158 *interstinctus* Gould. Africa.
- i 158 **Achatina torrida** Gould. Africa.

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i	158	<i>Pupa pumilio</i> Gould.	Africa.
i	158	<i>capitata</i> Gould.	Africa.
i	159	<i>Melania mutans</i> Gould.	[don). Africa.
i	160	<i>Anodon Salweniana</i> Gld. (Pseudo-	R. Salwen, Burmah.
i	160	<i>inoscularis</i> Gould (Pseudodon).	R. Salwen, Burmah.
i	160	<i>Pseudodon</i> Gould (n. s. g.)	
i	160	<i>edentula</i> Gould.	
i	160	<i>Stewartii</i> Gould.	
May, 1844.			
i	174	<i>Helix setigera</i> Gould.	Sandwich Islands.
i	174	<i>stellula</i> Gould.	Sandwich Islands.

Jan. 1845.

ii 1 **Adams.**—Specierum novarum Conchyliorum in Jamaica reperi-  
torum Synopsis: by C. B. ADAMS.

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ii	1	<i>Marginella rubella</i> Ad.
ii	1	<i>Erato</i> ? <i>cypræoides</i> Ad.
ii	2	<i>Mitra albo-cincta</i> Ad.
ii	2	<i>exigua</i> Ad. [Ad.
ii	2	<i>Columbella purpurascens</i>
ii	2	<i>subcostulata</i> Ad.
ii	2	<i>Buccinum candidissimum</i>
ii	2	<i>concinnum</i> Ad. [Ad.
ii	2	<i>obesum</i> Ad.
ii	2	<i>Purpura nodulosa</i> Ad.
ii	3	<i>Fusus muricoides</i> Ad.
ii	3	<i>Pleurotoma albo-macu-</i>
		<i>lata</i> Ad.
ii	3	<i>albo-cincta</i> Ad.
ii	3	<i>nigrescens</i> Ad.
ii	3	<i>trilineata</i> Ad.
ii	3	<i>albida</i> Ad.
ii	3	<i>multilineata</i> Ad.
ii	4	<i>albo-vittata</i> Ad.
ii	4	<i>candidissima</i> Ad.
ii	4	<i>fusca</i> Ad.
ii	4	<i>dubia</i> Ad.
ii	4	<i>minor</i> Ad.
ii	4	<i>fusco-lineata</i> Ad.
ii	4	<i>elatior</i> Ad.
ii	4	<i>Cerithium ambiguum</i> Ad.
		<i>C. lafondii</i> Ad.
ii	5	<i>gibberulum</i> Ad.

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ii	5	<i>Cerithium iota</i> Ad.
ii	5	<i>variabile</i> Ad.
ii	5	<i>mutabile</i> Ad.
ii	5	<i>algicola</i> Ad.
ii	5	<i>bicolor</i> Ad.
ii	6	<i>Rissoa albida</i> Ad.
ii	6	<i>affinis</i> Ad.
ii	6	<i>scalarella</i> Ad.
ii	6	<i>tervaricosa</i> Ad.
ii	6	<i>crassicoستا</i> Ad.
ii	6	<i>Eulima Jamaicensis</i> Ad.
ii	6	<i>Chemnitzia Babylonica</i> Ad.
ii	6	<i>Monodonta maculo-stri-</i>
		<i>angulata</i> Ad. [ata Ad.
ii	7	<i>livido-maculata</i> Ad.
ii	7	<i>Turbo</i> ? <i>pulchellus</i> Ad.
ii	7	<i>Scalaria modesta</i> Ad.
ii	7	<i>Nerita præcognita</i> Ad.
ii	7	<i>Neritina pygmaea</i> Ad.
ii	8	<i>Fissurella elongata</i> Ad.
ii	8	<i>Patella tenera</i> Ad.
ii	8	<i>albicoستا</i> Ad.
ii	8	<i>Chiton squalidus</i> Ad.
ii	8	<i>costatus</i> Ad.
ii	8	<i>squamulosus</i> Ad.
ii	8	<i>multicoستatus</i> Ad.
ii	9	<i>purpurascens</i> Ad.
ii	9	<i>papillosus</i> Ad.

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| ii   | 9     | <i>Perna bicolor Ad.</i>  | ii 13 <i>læviusculus Ad.</i>          |
| ii   | 9     | <i>Arca tenera Ad.</i>  | ii 13 <i>striatella Ad.</i>           |
| ii   | 9     | <i>Cardita ovata Ad.</i>  | ii 13 <i>Achatina iota Ad.</i>        |
| ii   | 9     | <i>Thetis Ad. (n. g.)</i>   | ii 13 <i>pellucens Ad.</i>            |
| ii   | 9     | <i>Thetis cerina Ad.</i>  | ii 13 <i>costulata Ad.</i>            |
| ii   | 9     | <i>parva Ad.</i>  | ii 13 <i>Phillipsii Ad.</i>           |
| ii   | 9     | <i>Lucina granulosa Ad.</i>   | ii 13 <i>propinqua Ad.</i>            |
| ii   | 10    | <i>imbricatula Ad.</i>  | ii 14 <i>vicina Ad.</i>               |
| ii   | 10    | <i>pulchella Ad. [Ad.]</i>  | ii 14 <i>Griffithsii Ad.</i>          |
| ii   | 10    | <i>Amphidesma Jayanum</i>   | ii 14 <i>Cylindrella? pygmaea Ad.</i> |
| ii   | 10    | <i>Tellina decussatula Ad.</i>  | ii 14 <i>Cumingii Ad.</i>             |
| ii   | 10    | <i>nitens Ad.</i>   | ii 14 <i>cylindrus Ad.</i>            |
| ii   | 10    | <i>Psammobia purpureo-</i>  | ii 14 <i>seminuda Ad.</i>             |
|      |       | <i>maculata Ad.</i>   | ii 14 <i>Pupa fusiformis Ad.</i>      |
| ii   | 10    | <i>affinis Ad.</i>  | ii 15 <i>nobilior Ad.</i>             |
| ii   | 10    | <i>biradiata Ad.</i>  | ii 15 <i>obesa Ad.</i>                |
| ii   | 10    | <i>cerina Ad.</i>   | ii 15 <i>rubella Ad.</i>              |
| ii   | 11    | <i>Cyclostoma Duffianum</i>   | ii 15 <i>tenuidens Ad.</i>            |
| ii   | 11    | <i>Hillianum Ad. [Ad.]</i>  | ii 15 <i>Helix peracutissima Ad.</i>  |
| ii   | 11    | <i>lima Ad.</i>   | ii 15 <i>memoraloides Ad.</i>         |
| ii   | 11    | <i>Bronnii Ad.</i>  | ii 15 <i>subconica Ad.</i>            |
| ii   | 11    | <i>fusco-lineatum Ad.</i>   | ii 15 <i>subpyramidalis Ad.</i>       |
| ii   | 11    | <i>pulchrius Ad.</i>  | ii 16 <i>depressa Ad.</i>             |
| ii   | 11    | <i>Helicina Leana Ad.</i>   | ii 16 <i>sincera Ad.</i>              |
| ii   | 12    | <i>lineata Ad.</i>  | ii 16 <i>opalina Ad.</i>              |
| ii   | 12    | <i>solitaria Ad.</i>  | ii 16 <i>pellucida Ad.</i>            |
| ii   | 12    | <i>Truncatella succinea Ad.</i>   | ii 16 <i>peraffinis Ad.</i>           |
| ii   | 12    | <i>Cumingii Ad.</i>   | ii 16 <i>arboreoides Ad.</i>          |
| ii   | 12    | <i>scalariformis Ad.</i>  | ii 16 <i>tenerrima Ad.</i>            |
| ii   | 12    | <i>Fedipes globulosus Ad.</i>   | ii 16 <i>dioscoricola Ad.</i>         |
|      |       | <i>P, quadridens Pfr.?</i>  | ii 17 <i>Jayana Ad.</i>               |
| ii   | 12    | <i>Succinea contorta Ad.</i>  | ii 17 <i>Paludina rivularis Ad.</i>   |
| ii   | 12    | <i>Bulimus octonoides Ad.</i>   | ii 17 <i>Melania spinifera Ad.</i>    |
| ii   | 12    | <i>pallidus Ad.</i>   | ii 17 <i>Planorbis dentiferus Ad.</i> |
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| ii   | 19    | <i>subrutilla Migh.</i>   | Oahu.                                 |
| ii   | 19    | <i>tiara Migh.</i>  | Kauai.                                |
| ii   | 19    | <i>jugosa Migh.</i>   | Waioli.                               |
| ii   | 19    | <i>Helicina laciniosa Migh.</i>   | Oahu.                                 |
| ii   | 19    | <i>rotelloidea Migh.</i>  | Oahu.                                 |
| ii   | 19    | <i>Pupa admodesta Migh.</i>   | Oahu.                                 |

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ii	20	<i>clausinus</i> <i>Migh.</i>	Hawaii.
ii	20	<i>Partula virgulata</i> <i>Migh.</i>	Waianai.
ii	20	<i>Achatina accineta</i> <i>Migh.</i>	Oahu.
ii	20	<i>turricula</i> <i>Migh.</i>	Oahu.
ii	20	<i>Achatinella nubilosa</i> <i>Migh.</i>	Oahu.
ii	20	<i>vestita</i> <i>Migh.</i>	Waianai and Hawaii.
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ii	21	<i>mustelina</i> <i>Migh.</i>	Waianai.
ii	21	<i>cingula</i> <i>Migh.</i>	Oahu.
ii	21	<i>venusta</i> <i>Migh.</i>	Oahu.
ii	21	<i>plota</i> <i>Migh.</i>	Oahu.
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ii	21	<i>caduca</i> <i>Migh.</i>	Oahu.
ii	21	<i>Physa umbilicata</i> <i>Migh.</i>	Oahu.
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ii	22	<i>Turbo rubricinctus</i> <i>Migh.</i>	Oahu.
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ii	28	<i>microstoma</i> Gould.	Sandwich Islands.
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ii	37	<i>Tellina rubicunda</i> Gould.	Liberia.
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ii	37	<i>Nassa turbinea</i> Gould.	Liberia.
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ii	101	<i>Bulimus turnix</i> Gould.	Organ Mts., Brazil.
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 ii 134 (List of New England Shells found in Jamaica)—  
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 ii 134 *Cerithium terebrale*.  
 ii 134 *Limnea umbilicata*.  
 ii 134 *Helix chersina*.  
 ii 134 *Pupa contracta*.  
 ii 134     *rupicola*.  
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 ii 134 *Lucina divaricata*.

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[The descriptions of the Mollusks of Wilkes' Exploring Expedition were also published in pamphlet form, under the title of "Expedition Shells."—W. G. B.]

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| ii | 143 | <i>punicus</i> Gould.                    | Orange Harbor.        |
| ii | 143 | <i>confosus</i> Gould.                   | Feejee Islands.       |
| ii | 144 | <i>pruinosis</i> Gould.                  | Rio Janeiro.          |
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| ii | 145 | <i>incanus</i> Gould.                    | New South Wales.      |
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| ii | 149 | <i>illuminata</i> Gould.                 | Auckland Island.      |
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| ii | 151 | <i>Lottia cymbiola</i> Gould.            | Valparaiso.           |
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| ii | 154 | <i>lepida</i> Gould.             | Rio Janeiro.            |
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		Manko, Tavoy.
		Thoungyin river.
		Thoungyin river.
		Manko, Tavoy.
		Newville, Tavoy.
		Tavoy.
		Tavoy.
		Tavoy.
		Newville, Tavoy.
		Feejees, &c.
		Feejees.
		Feejees, &c.
		Bank's Penin., N. Zld.
		Upolu.
		Tahiti.
		Samoa and Feejee Isls.
		Upolu.

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ii	225	<i>Melanopsis Zelandica</i> Gould.	New Zealand.
ii	237	<i>Neritina percata</i> Gould.	
ii	237	<i>cholericæ</i> Gould.	Feejees.
ii	237	<i>chrysocolla</i> Gould.	Upolu.
ii	238	<i>helvola</i> Gould.	Feejees.
ii	238	<i>aiderea</i> Gould.	Feejees.
ii	238	<i>amœna</i> Gould.	
ii	238	<i>musiva</i> Gould.	
ii	239	<i>soluta</i> Gould.	
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ii	251	<i>Bulla parallela</i> Gould.	
ii	251	<i>Tornatella bullata</i> Gould.	Patagonia.
ii	251	<i>Haliotis crispata</i> Gould.	New Holland.
ii	252	<i>Scalaria gracilentæ</i> Gould.	Mangsi Island.
ii	252	<i>texturata</i> Gould.	
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iii	73	<i>Natica algida</i> Gould.	Rio Negro.
iii	73	<i>dilecta</i> Gould.	
iii	73	<i>Stomatella decolorata</i> Gould.	Mangsi Island.
iii	74	<i>tumida</i> Gould.	China Seas.
iii	74	<i>Ampullaria columellaris</i> Gould.	Mayna, Peru.
iii	74	<i>Amnicola badia</i> Gould.	Bank's Penin., N. Zld.
iii	75	<i>egena</i> Gould.	Bank's Penin., N. Zld.
iii	75	<i>Litiopa decussata</i> Gould.	Lat. 37° 40' N., long. 54° 30' W.
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iii	83	<i>Littorina caliginosa</i> Gould.	Terra del Fuego.
iii	84	<i>acuminata</i> Gould.	Mangsi Island.
iii	84	<i>Stylifer acioula</i> Gould.	Feejee Islands.
iii	84	<i>Solarium egenum</i> Gould.	
iii	89	<i>Turbo confragosus</i> Gould.	Dean's Island.
iii	90	<i>sirius</i> Gould.	New Holland.
iii	90	<i>laciniatus</i> Gould.	Manilla.
iii	90	<i>Trochus pruninus</i> Gould.	Auckland Island.
iii	90	<i>texturatus</i> Gould.	New Zealand.
iii	91	<i>cupillus</i> Gould.	New Zealand.
iii	91	<i>jucundus</i> Gould.	New Zealand.
iii	91	<i>gradatus</i> Gould.	Pacific Island.
iii	92	<i>acinosus</i> Gould.	New Zealand.
iii	92	<i>elusus</i> Gould.	Singapore.

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iii	106	<i>circumsutus</i> Gould.	Madagascar?
iii	106	<i>spureus</i> Gould.	Madeira.
iii	107	<i>amœnus</i> Gould.	Feejee Islands.
iii	107	( <i>Monodonta</i> ) <i>colubrinnus</i> Gld.	Madeira.
iii	107	<i>instrictus</i> Gould.	Pacific Island.
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iii	118	<i>Pyramidella ambigua</i> Gould.	Clermont Tonnerre Isl.
iii	119	<i>Cerithium aduncum</i> Gould.	Mindanao.
iii	119	<i>irroratum</i> Gould.	
iii	119	<i>serdidulum</i> Gould.	
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iii	140	<i>Pleurotoma seminifera</i> Gould.	
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iii	141	<i>crispus</i> Gould.	Orange Harbor.
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iii	171	<i>oophina</i> Gould.	Singapore.
iii	171	<i>robata</i> Gould.	
iii	171	<i>capillata</i> Gould.	Madeira.
iii	172	<i>encausta</i> Gould.	Feejee Islands.
iii	172	<i>Conus dilectus</i> Gould.	Feejee Islands.
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**Rafinesque.**—On eight Asiatic bivalve fluviatile Shells. In the Appendix to the Continuation of a Monograph, &c. (vide p. 4): by C. S. RAFINESQUE.

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6	<b>similis</b> <i>Raf.</i>	Ganges.
6	<b>vitrea</b> <i>Raf.</i>	River Jellingby.
6	<b>striata</b> <i>Raf.</i>	River Jellingby.
7	<b>Hemisolasma</b> <i>Raf.</i> (n. s. g.)	
7	<b>Unio (Lampsis) fulgens</b> <i>Raf.</i>	Ganges.
7	<b>argyratus</b> <i>Raf.</i>	Ganges.
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7	( <i>Obliquaria? Aximedia?</i> ) <i>Raf.</i>	
7	<b>Longocilla</b> <i>Raf.</i> (n. g.)	
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7	<b>Dianisotis</b> <i>Raf.</i> (n. g.)	
7	<b>chinensis</b> <i>Raf.</i>	
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**Harris.**—Account of Pawpaw or Cowry Shells found in Dorchester, in a letter to the Hon. John Davis, Esq. : by Rev. THADDEUS MASON HARRIS, F. A. A. (In Mem. American Academy of Arts and Sciences, vol. iii, pt. 1. Cambridge, 1809, pp. 159, 160.)

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159	<b>Cypræa moneta.</b>	Dorchester?
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**Lea.**—Observations on the genus *Unio*, &c. &c. (vide p. 433).

[The following are the foreign species.—W. G. B.]

T. A. P. S. Vol. iii. 1830.			Obs.		
Pa.	Pl.	Fig.	V.	Pa.	
421			i	35	Remarks on Lamarck's species of <i>Naiades</i> .
445	xiv	24	i	59	<i>Symphynota bi-alata</i> Lea. Asia?
456			i	70	<i>cygnea</i> Lea. Europe. <i>Mytilus cygneus</i> Linn. <i>Anodonta cygneus</i> Lam.
Vol. iv. 1834.					
91	xii	22	i	101	<i>Unio multistriatus</i> Lea. Brazil.
95	xiii	25	i	105	<i>cœruleus</i> Lea. Hoogly r., Hind.
97	xiii	27	i	107	<i>incurvus</i> Lea. Gibraltar.
98	xi	19	i	108	<i>Symphynota bilineata</i> Lea. Hoogly r., Hind.
108	xxi	38	i	118	<i>Unio olivarius</i> Lea. Burrell r., India.
Vol. v. 1837.					
28	i	1	i	140	<i>Nicklinianus</i> Lea. China.
33	iii	6	i	145	<i>Murchisonianus</i> Lea. China.
40	viii	19	i	152	<i>lacteus</i> Lea. R. de la Plata.
42	v	13	i	154	<i>Symphynota Woodiana</i> Lea. China.
43	v	14	i	155	<i>magnifica</i> Lea. China.
49	xix	56	i	161	<i>Helicina lens</i> Lea. Feejee Islands.
49	xix	57	i	161	<i>pulcherrima</i> Lea. Java (Cuba, ii,
50	xix	58	i	162	<i>virginea</i> Lea. Java. [69]. <i>Hel. striata</i> Lam?
51	xix	59	i	163	<i>Helix muscarum</i> Lea. Society Islands.
51	xix	60	i	163	<i>purpuragula</i> Lea. Java Islands.
52	xix	61	i	164	<i>ovum-reguli</i> Lea. Java Islands.
53	xix	62	i	165	<i>monodonta</i> Lea. Java Islands.
53	xix	63	i	165	<i>cyclostomopsis</i> Lea.
54	xix	64	i	166	<i>mamilla</i> Lea.
54	xix	65	i	166	<i>diaphana</i> Lea.
55	xix	66	i	167	<i>Himalana</i> Lea. Himalaya Mts.
56	xix	67	i	168	<i>vesica</i> Lea.
56	xix	68	i	168	<i>cincta</i> Lea. Java?
57	xix	69	i	169	<i>Woodiana</i> Lea. Canton.
58	xix	70	i	170	<i>globula</i> Lea. Canton.
60	viii	20	i	172	<i>Unio parallelepipedon</i> Lea. River Parana.
62	ix	22	i	174	<i>emarginatus</i> Lea.
62	ix	24	i	176	<i>divaricatus</i> Lea. Egypt.
62	ix	25	i	177	<i>Corrianus</i> Lea. India.
66	ix	26	i	178	<i>Grayanus</i> Lea. China.

[Lea, Observations, &amp;c.]

Tr. A. P. S. Vol. v. 1837.			Oss.		
Pa.	Pl.	Fig.	V.	Pa.	
67	x	27	i	179	<b>Unio Burroughianus</b> <i>Lea.</i> River Parana.
75	xi	33	i	187	<b>Symphynota discoidea</b> <i>Lea.</i>
76	xii	34	i	188	<b>Anodonta latomarginata</b> River Parana.
77	xii	35	i	189	<b>Blainvilliana</b> <i>Lea.</i> [ <i>Lea.</i> Chili?
78	xii	36	i	190	<b>tenebricosa</b> <i>Lea.</i> River Parana.
80	xiii	37	i	192	<b>Mortoniana</b> <i>Lea.</i> River Parana.
81	xix	72	i	193	<b>Melania aculeus</b> <i>Lea.</i> Java?
81	xix	73	i	193	<b>Lymnæa imperialis</b> <i>Lea.</i> South America?
82	xix	74	i	194	<b>Melanopsis princeps</b> <i>Lea.</i> C. of Good Hope.
82	xix	75	i	194	<b>maculata</b> <i>Lea.</i> Peru.
83	xix	76	i	195	<b>Auricula fuscagula</b> <i>Lea.</i> Brazil (Cuba, ii,
84	xix	77	i	196	<b>Cyclostoma striata</b> <i>Lea.</i> Peru. [69].
99	xiv	42	i	311	<b>Unio Paranensis</b> <i>Lea.</i> River Parana.
105	xvi	49	i	317	<b>Anodonta Burroughiana</b> Island Luconia.
107	xvii	51	i	219	<b>Cyrena rotundata</b> <i>Lea.</i> [ <i>Lea.</i>
108	xvii	52	i	320	<b>Jayensis</b> <i>Lea.</i> Batavia?
109	xviii	53	i	321	<b>turgida</b> <i>Lea.</i> India.
110	xviii	55	i	322	<b>Woodiana</b> <i>Lea.</i> Canton.
111	xviii		i	323	<b>Aprodite</b> <i>Lea.</i> (n. g.)
111	xviii	54	i	323	<b>columba</b> <i>Lea.</i>
113	xix	80	i	325	<b>Paludina Burroughiana</b> <i>Lea.</i> Island Luconia.
Vol. vi. 1839.					
3	ii	3	ii	3	<b>Unio Bengalensis</b> <i>Lea.</i> Bengal.
16	xxiii	77	ii	16	<b>Ampullaria Pealiana</b> <i>Lea.</i> Turbaco, Colum-
19	vi	16	ii	19	<b>Unio lamellatus</b> <i>Lea.</i> Bengal. [bia.
20	xxiii	95	ii	20	<b>Melania plicata</b> <i>Lea.</i> Bengal?
21			ii	21	<b>Megaspira</b> <i>Lea.</i> (n. g.)
21	xxiii	101	ii	21	<b>Ruschenbergiana</b> <i>Lea.</i> Brazil?
65	xxiii	100	ii	65	<b>Bulimus lacteus</b> <i>Lea.</i> Magdalena riv.
65	xxiii	105	ii	65	<b>Pealianus</b> <i>Lea.</i> Angostura, Col.
66	xxiii	110	ii	66	<b>Columbianus</b> <i>Lea.</i> Magdalena riv.
66	xxiii	111	ii	66	<b>corneus</b> <i>Lea.</i> Buena Vista, Co- lumbia.
68	xxiii	87	ii	68	<b>Cyclostoma maculata</b> <i>Lea.</i> Manilla.
74	xviii	57	ii	74	<b>Unio discus</b> <i>Lea.</i> India.
75	xviii	58	ii	75	<b>contradens</b> <i>Lea.</i>
81	xxii	68	ii	81	<b>Anodonta exilis</b> <i>Lea.</i>
82	xxii	70	ii	82	<b>Iridina celestis</b> <i>Lea.</i> Africa.
83	xxiii	92	ii	83	<b>Bulimus glandiformis</b> <i>Lea.</i> New Grenada.
84	xxiii	96	ii	84	<b>parvus</b> <i>Lea.</i> Carthagena.
84	xxiii	97	ii	84	<b>virgo</b> <i>Lea.</i> Carthagena.
85	xxiii	99	ii	85	<b>Gibbonius</b> <i>Lea.</i> New Grenada.

## [Lea, Observations, &amp;c.]

Tr. A. P. S. Vol. vi. 1839.			Obs.		
Pa.	Pl.	Fig.	V.	Pa.	
85	xxiii	102	ii	85	<i>Bulimus gracilis</i> Lea. Carthagena.
86	xxiii	108	ii	86	<i>decoratus</i> Lea. Carthagena.
86	xxiii	112	ii	86	<i>maculatus</i> Lea. Carthagena.
89	xxiii	88	ii	89	<i>Helix magnifica</i> Lea. New Grenada.
90	xxiii	78	ii	90	<i>Paludina sinistrorsa</i> Lea. India.
94	xxiii	76	ii	94	<i>Cyclostoma Popayana</i> Lea. New Grenada.
98	xxiii	73	ii	98	<i>Carocolla Hydiana</i> Lea. Porto Cabello.
108	xxiv	116	ii	108	<i>Unio Brownianus</i> Lea. River Amazon.
121			ii	121	Synopsis of the family of Naiades.
141			ii	141	<i>Platiris</i> Lea (n. g.)
141			ii	141	<i>Spatha</i> Lea (n. s. g.)
Vol. vii. 1841.					
455					Description of nineteen new species of Colimacea.
455	xi	1			<i>Bulimus subglobosus</i> Lea. Philippine Islds.
455	xi	2			<i>virido-striatus</i> Lea. Philippine Islds.
456	xi	3			<i>virginicus</i> Lea. Philippine Islds.
457	xi	4			<i>Liberianus</i> Lea. Liberia.
457	xi	5			<i>Woodianus</i> Lea. Philippine Islds.
458	xi	6			<i>gracilis</i> Lea. Philippine Islds.
458	xi	7			<i>carinatus</i> Lea. Philippine Islds.
459	xi	8			<i>bicoloratus</i> Lea. Philippine Islds.
459	xii	9			<i>Helix Blandingianus</i> Lea. Liberia.
460	xii	10			<i>Balestieriana</i> Lea. Philippine Islds.
461	xii	11			<i>Lamarckiana</i> Lea. Philippine Islds.
461	xii	12			<i>Cuvieriana</i> Lea. Philippine Islds.
462	xii	13			<i>luteo-fasciata</i> Lea. Philippine Islds.
462	xii	14			<i>cepoides</i> Lea. Philippine Islds.
463	xii	15			<i>Blainvilliana</i> Lea. Philippine Islds.
463	xii	16			<i>Humphreysiana</i> Lea. Pondicherry, Singapore.
464	xii	17			<i>ferruginea</i> Lea. Philippine Islds.
465	xii	18			<i>Carocolla bifasciata</i> Lea. Philippine Islds.
465	xii	19			<i>Cyclostoma Woodiana</i> Lea. Philippine Islds.
Vol. viii. 1843.					
192	vii	2	iii	30	<i>Unio cucumoides</i> Lea. Hunter's r., N. S.
218	xvii	35	iii	55	<i>delphinus</i> Lea. N. Holland? [W.]
220	xviii	37	iii	56	<i>Javanus</i> Lea. Java.
221	xviii	38	iii	58	<i>orientalis</i> Lea. [ana Lea. Java?
222	xviii	39	iii	59	<i>Margaritana Vondenbuschi</i> -Java?



## [Lea, Observations, &amp;c.]

Tr. A. P. S. Vol. viii. 1843.			Obs.			
Pa.	Pl.	Fig.	V.	Pa.		
239	xxiii	53	iii	77	<b>Unio Rajahensis</b> <i>Lea.</i>	Calcutta.
240	xxiii	55	iii	78	<b>Anodonta Montezuma</b> <i>Lea.</i>	Central America.
Vol. ix. 1844.						
2			iv	2	<b>Bulimus Jayanus</b> <i>Lea.</i>	Java?
2			iv	2	<b>Achatina turbinata</b> <i>Lea.</i>	Liberia.
3			iv	3	<b>striata</b> <i>Lea.</i>	Liberia.
3			iv	3	<b>Succinea gracilis</b> <i>Lea.</i>	Java?
5			iv	5	<b>Candeana</b> <i>Lea.</i>	Martinique.
5			iv	5	<b>fulgens</b> <i>Lea.</i>	Cuba.
12			iv	12	<b>Lymnæa rubella</b> <i>Lea.</i>	Oahu.
Vol. ix. 1846.						
281	xlvi	11	iv	39	<b>Unio superbus</b> <i>Lea.</i>	New Holland.
282	xlvi	12	iv	50	<b>aratus</b> <i>Lea.</i>	
Vol. x, pt. 2, 1852.						

## New Fresh Water and Land Shells.

282	xxiv	41	v	38	<b>Ingallsianus</b> <i>Lea.</i>	Siam.
288	xxvi	48	v	43	<b>Anodonta Trautrimiana</b> <i>Lea.</i>	Carthagera.
288	xxvi	49	v	43	<b>Wheatleyi</b> <i>Lea.</i>	Para, S. A.
291	xxviii	54	v	47	<b>tortilis</b> <i>Lea.</i>	Carthagera.
292	xxiv	55	v	48	<b>Schröteriana</b> <i>Lea.</i>	Rio Negro, Br.
295			v	51	<b>Basistoma</b> <i>Lea</i> (n. g.)	
296	xxx	1	v	52	<b>Edwardi</b> <i>Lea.</i>	Teotinusr., S.A.

Journ. A. N. S. Obs.  
Vol. ii. Jan. 1852.

125					On the genus <i>Acostæa</i> of D'Orbigny, a Fresh Water Lamellibranchiata (pp. 125-132).	
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Vol. iii. Jan. 1858.

## New Fresh Water and Land Shells.

289	xxi	1	vi	9	<b>Unio Hainesianus</b> <i>Lea.</i>	Siam.
290	xxii	2	vi	10	<b>Myersianus</b> <i>Lea.</i>	Siam.
291	xxiii	3	vi	11	<b>Housei</b> <i>Lea.</i>	Siam.
291	xxiv	4	vi	11	<b>lutens</b> <i>Lea.</i>	Newville, Bur-
					<i>U. lutens</i> <i>Lea.</i>	[mah.]
292	xxiv	5	vi	12	<b>gravidus</b> <i>Lea.</i>	Siam.
293	xxiv	6	vi	13	<b>inornatus</b> <i>Lea.</i>	Siam.
294	xxv	7	vi	14	<b>rusticus</b> <i>Lea.</i>	Siam.
294	xxv	8	vi	14	<b>eximius</b> <i>Lea.</i>	Siam.
295	xxv	9	vi	15	<b>tumidulus</b> <i>Lea.</i>	Siam.
296	xxvi	10	vi	16	<b>humilis</b> <i>Lea.</i>	Siam.

[Lea, Observations, &amp;c.]

Journ A. N. S.		Obs.			
Vol. III	Jan. 1838.				
Pa.	Pl.	Fig.	V.	Pa.	
297	xxvi	11	vi	17	<b>Unio phaselus</b> <i>Lea.</i> Siam.
298	xxvi	12	vi	18	<b>sagittarius</b> <i>Lea.</i> Siam.
299	xxvi	13	vi	19	<b>scobinatus</b> <i>Lea.</i> Siam.
300	xxvi	14	vi	20	<b>substriatus</b> <i>Lea.</i> Siam.
300	xxvii	15	vi	20	<b>Africanus</b> <i>Lea.</i> C. of Good Hope.
301	xxvii	16	vi	21	<b>Verreaulianus</b> <i>Lea.</i> C. of Good Hope.
302	xxvii	17	vi	22	<b>Shurtleffianus</b> <i>Lea.</i> Sina river, India.
303	xxviii	18	vi	23	<b>effulgens</b> <i>Lea.</i> Brazil.
304	xxviii	19	vi	24	<b>Shuttleworthii</b> <i>Lea.</i> Australia.
305	xxviii	20	vi	25	<b>Dunkerianus</b> <i>Lea.</i> Rio de Janeiro.
306	xxviii	21	vi	26	<b>nucleus</b> <i>Lea.</i> Siam.
307	xxix	22	vi	27	<b>Brownii</b> <i>Lea.</i> Mocha?
308	xxix	23	vi	28	<b>Wheatleyanus</b> <i>Lea.</i> R. Negro, Plata.
309	xxix	24	vi	29	<b>Suavidicus</b> <i>Lea.</i> River Amazon.
310	xxx	25	vi	30	<b>Nuttallianus</b> <i>Lea.</i> India.
312	xxx	27	vi	32	<b>Newcombianus</b> <i>Lea.</i> Nicaragua.
313	xxx	28	vi	33	<b>Cambodiensis</b> <i>Lea.</i> Tackrong river.
316	xxxii	31	vi	36	<b>Anodonta Holtonis</b> <i>Lea.</i> Carthage, New
317			vi	37	<b>Plagiodon</b> <i>Lea</i> (n. s. g.) [Grenada.
318	xxxii	32	vi	38	<b>isocardioides</b> <i>Lea.</i> River Plata.
319	xxxiii	33	vi	39	<b>Triquetra contorta</b> <i>Lea.</i> China.
					<i>T. lanceolata</i> <i>Lea.</i>

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Vol. Pa. Pl. Fig.

i	53			<b>Haldeman.</b> —(Same as p. 372.)
i	53			<b>Pisidium diaphanum</b> <i>Hald.</i> Brazil?

May, 1846.

iii	66			<b>Phillips.</b> —Description of a new Fresh Water Shell, and observations on <i>Glandina obtusa</i> <i>Pfr.</i> : by JOHN S. PHILLIPS.
iii	66	i	11	<b>Physa princeps</b> <i>Phil.</i> Yucatan.
iii	66	i	33	<b>Glandina (Achatina) cylindracea</b> <i>Phil.</i> Yucatan. <i>G. obtusa</i> <i>Pfr.</i> ?

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 iv 121 **Conrad.**—(Vide p. 373.)  
 iv 121 **Triton nobilis** *Conr.* West Indies.  
*T. variegatus* *Eve.*
- Feb. 1850.  
 v 10 **Conrad.**—Descriptions of new species of Fresh Water  
 Shells: by T. A. CONRAD. (Vide, also, p. 374.)  
 v 10 **Unio cultelliformis** *Conr.* Bogan river, Australia.  
 v 10 **Napeanensis** *Conr.* Napean riv., Australia.  
 v 10 **Balonnensis** *Conr.* Balonne r., Australia.  
 v 10 **Paludina sublineata** *Conr.* Darling r., Australia.  
 v 11 **Physa pectorosa** *Conr.* Bogan river, Australia.  
 v 11 **Australiana** *Conr.* Bogan river, Australia.  
 v 11 **Melania tetrica** *Conr.* Rivers of Australia.  
 v 11 **Balonnensis** *Conr.* Balonne r., Australia.  
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- Oct. 1851.  
 v 277 **I. Lea.**—Notices on—  
 v 277 **Mulleria Ferussacii** *Lea.* New Granada.  
 v 277 **Guaduasana D'Orb.** New Granada.  
*Acostza guaduasana* D'Or.
- March, 1852.  
 vi 54 **I. Lea.**—Description of a new species of Symphynote  
 Unio: by I. LEA.  
 vi 54 **Unio Cumingii** *Lea.* North of China.
- Feb. 1852.  
 vi 267 **Conrad.**—(Vide p. 382.)  
 [Several foreign genera and sub-genera of Unionidae are given.—  
 W. G. B.]
- Aug. 1853.  
 vi 376 **I. Lea.**—Notes on—  
 vi 376 **Unio Kraussi** *Lea.*  
*Castalia sulcata* Krauss.  
 vi 376 **Dipsas plicatus** *Lea.* Liberia.  
*Anodonta Herculea* Midd.  
 vi 376 **Unio superbus** *Lea.* Dann-Luar river.  
*U. macropterus* Dunk.  
 vi 377 **cucumoides** *Lea.* Sumatra.  
*U. Cumingii* Dunk.

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- vi 448 **T. A. Conrad.**—Synopsis of *Cassidula*, &c. (vide p. 383).
- vi 448 **Cassidula hippocastanum.** Samar.  
*Murex hippocastanum* Born.  
*Buccinum calcaratum* Sol.  
*Cassidula calcarata* Humphr.  
*Murex calcaratus* Dill.  
*Pyrula galeodes* Lam.
- vi 448 **melongena.** West Indies.  
*Murex melongena* Linn.  
*Pyrula melongena* Lam.
- vi 448 **bispinosa** Conr.  
*Pyrula bispinosa* Phil.
- vi 449 **patula** Conr. Caraccas Bay.
- vi 449 **? parasidiaca.**  
*Pyrum parasidiacum* Mart.  
*Pyrula nodosa* Lam.
- vi 449 **T. A. Conrad.**

*Requienia Senseni* Conr. = *Arietina* Conr. (n. s. g.)

Jan. 1854.

vii 1

**I. Lea.**—Note on—*Acostæa guadasana* D'Orb.

March, 1854.

vii 32

**Conrad.**—(Vide p. 384.)

vii 32

**Bulimus lineolatus** Conr. Volcano of Cartago,  
Costa Rica.

June, 1855.

vii 375

**Stimpson.**—Descriptions of some of the new Marine Invertebrata from the Chinese and Japanese Seas, &c.: by WILLIAM STIMPSON, Zoologist to the United States Surveying Expedition to North Pacific, Japan Seas, &c., Lieut. John Rodgers, Commander.

vii 377

**Ascidia tubifera** St. China.

vii 377

*calcata* St. Japan.

vii 377

**Schizascus** St. (n. g.)

vii 377

*pellucidus* St. China.

vii 377

*papillosus* St. China.

vii 377

**Molgula laberculifera** St. China.

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vii	377	<i>Cynthia satsumensis St.</i>	Japan.
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vii	378	<i>araneosa St.</i>	China.
vii	378	<i>Coriocella punctata St.</i>	Ousima.
vii	378	<i>tuberosa St.</i>	China.
vii	378	<i>Aplysia laevigata St.</i>	Ousima.
vii	378	<i>Notarchus gibbosus St.</i>	China.
vii	378	<i>lineolatus St.</i>	Loo Choo.
vii	378	<i>Placobranchus guttatus St.</i>	Loo Choo.
vii	379	<i>Eolis humilis St.</i>	China.
vii	379	<i>Gymnodoris St. (n. g.)</i>	
vii	379	<i>maculata St.</i>	Loo Choo.
vii	379	<i>Polycera? ramulosa St.</i>	China.
vii	379	<i>Idalia tentaculata St.</i>	China.
vii	379	<i>Hemidoris St. (n. g.)</i>	
vii	379	<i>cœruleata St.</i>	China.
vii	379	<i>Doris indurata St.</i>	China.
vii	379	<i>gibberosa St.</i>	China.
vii	380	<i>olivacea St.</i>	Loo Choo.
vii	380	<i>Rogerall St.</i>	Kikaisima.
vii	380	<i>areolata St.</i>	Boninsima.
vii	380	<i>nigra St.</i>	Loo Choo, Kikaisima.
vii	380	<i>latens St.</i>	Loo Choo.
vii	380	<i>Onchis fructuosa St.</i>	Kikaisima.

July, 1856.

(Continued.)

vii	387	<i>Cynthia angularis St.</i>	C. of Good Hope, Simon's Bay.
vii	387	<i>lœvissima St.</i>	Port Jackson, Aus.
vii	387	<i>sabulosa St.</i>	Port Jackson, Aus.
vii	387	<i>dumosa St.</i>	Port Jackson, Aus.
vii	387	<i>Molgula inconspicua St.</i>	Port Jackson, Aus.
vii	387	<i>Ascidia sydneyensis St.</i>	Port Jackson, Aus.
vii	388	<i>succida St.</i>	Port Jackson, Aus.
vii	388	<i>Eolis cacaotica St.</i>	Port Jackson, Aus.
vii	388	<i>Tritonia pallida St.</i>	False Bay, C. of G. H.
vii	388	<i>Triopa lucida St.</i>	Simon's Bay, C. of G. H.
vii	388	<i>Goniodoris obscura St.</i>	Port Jackson, Aus.
vii	389	<i>Doris obtusa St.</i>	Port Jackson, Aus.
vii	389	<i>excavata St.</i>	Port Jackson, Aus.

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viii	79	Lea.—Description of a new sub-genus of Naiades: by ISAAC LEA.
viii	79	<i>Plagiodon</i> Lea (n. s. g.)
viii	79	<i>isocardioides</i> Lea. Rio Plata.
viii	79	Lea.—Description of a new species of <i>Triquetra Klein</i> ( <i>Hyria Lam.</i> ): by ISAAC LEA.
viii	79	<i>Triquetra lanceolata</i> Lea. China?
viii	92	Lea.—Description of twenty-five new species of Exotic Uniones: by ISAAC LEA.
viii	92	<i>Unio Hainesianus</i> Lea. Siam.
viii	92	<i>Myersianus</i> Lea. Siam.
viii	92	<i>Housei</i> Lea. Siam.
viii	93	<i>gravidus</i> Lea. Siam.
viii	93	<i>inornatus</i> Lea. Siam.
viii	93	<i>lutens</i> Lea. Newville, Burmah.
viii	93	<i>eximius</i> Lea. Siam.
viii	93	<i>tumidulus</i> Lea. Siam.
viii	93	<i>rusticus</i> Lea. Siam.
viii	93	<i>sagittarius</i> Lea. Siam.
viii	93	<i>substriatus</i> Lea. Siam.
viii	93	<i>scobinatus</i> Lea. Siam.
viii	93	<i>humilis</i> Lea. Siam.
viii	94	<i>phaselus</i> Lea. Siam.
viii	94	<i>Verreaudianus</i> Lea. Cape of Good Hope.
viii	94	<i>Africanus</i> Lea. Cape of Good Hope.
viii	94	<i>Shurtleffianus</i> Lea. Sina river, &c., India.
viii	94	<i>exfulgens</i> Lea. Brazil.
viii	94	<i>Dunkerianus</i> Lea. Brazil, &c.
viii	94	<i>Shuttleworthii</i> Lea. Australia.
viii	94	<i>nucleus</i> Lea. Siam.
viii	94	<i>Wheatleyanus</i> Lea. Rio Plata, Rio Negro.
viii	95	<i>Brownii</i> Lea. Mocha?
viii	95	<i>suavidicus</i> Lea. River Amazon.

May, 1856.

viii	103	Lea.—Description of four new species of Exotic Uniones: by ISAAC LEA.
viii	103	<i>Unio Nuttallianus</i> Lea. India.
viii	103	<i>Cambodiensis</i> Lea. Takrong riv., at Korat, Cambodia.
viii	105	<i>Newcombianus</i> Lea. Lake Nicaragua.

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Vol. Pa.  
viii 109**Lea.**—Description of thirteen new species of *Exotie*  
*Peristomata*: by ISAAC LEA.viii 109  
viii 109  
viii 110  
viii 110  
viii 110  
viii 110  
viii 110  
viii 110  
viii 110  
viii 110  
viii 110  
viii 110  
viii 111**Paludina Hainesiana** *Lea.* Siam.  
**umbilicata** *Lea.* Takrong river, Siam.  
**chinensis** *Lea.* China.  
**Swainsoniana** *Lea.* Siam.  
**Ingallsiana** *Lea.* Siam.  
**Bithinia Siamensis** *Lea.* Takrong river, Siam.  
**globula** *Lea.* India.  
**Paludomus maculata** *Lea.* Ahmednugger, India.  
**Ampullaria aurostoma** *Lea.* Carthagena.  
**tubæformis** *Lea.*  
**gracilis** *Lea.* Siam.  
**turbinis** *Lea.* Siam.  
**Assiminea carinata** *Lea.* Siam.

Aug. 1856.

viii 144

**Lea.**—Description of fifteen new species of *Exotie* *Mel-*  
*laniana*: by ISAAC LEA.viii 144  
viii 144  
viii 144  
viii 144  
viii 144  
viii 145  
viii 145  
viii 145  
viii 145  
viii 145  
viii 145  
viii 145  
viii 145  
viii 145  
viii 145**Melania Verraultiana** *Lea.* Sandwich Islands.  
**fraterna** *Lea.*  
**Hainesiana** *Lea.* India. [Siam.  
**Houzei** *Lea.* Korat, Takrong river,  
**Ningpoensis** *Lea.* Ningpo, China.  
**Myersiana** *Lea.* Feejee Islands.  
**bullata** *Lea.* Brazil.  
**lyræformis** *Lea.* Manilla.  
**affinis** *Lea.* Manilla.  
**australis** *Lea.* Manilla.  
**Newcombii** *Lea.* Oahu.  
**Maulensis** *Lea.* Maui.  
**Boninensis** *Lea.* Bonin Island.  
**Pachychilus parvum** *Lea.* Siam.

Dec. 1856.

viii 300

**Isaac Lea.**—Notes on—

viii 300

**Triquetra contorta** *Lea.* Shanghai.  
**T. lanceolata** *Lea.*

New Series, March, 1857.

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85 **Lea.**—Descriptions, &c., vide p. 387.

85

**Anodonta Holtonis** *Lea.*

Papayan, South America.

[Proceedings Academy of Natural Sc.]

May, 1858.

Page.

- 118 **Lea.**—Description of four new Fresh Water Mollusca from the Isthmus of Darien and Honduras : by ISAAC LEA.
- 118 **Unio Caldwellii** *Lea.* Isthmus of Darien.
- 118 **Goascoranensis** *Lea.* Riv. Goascoran, Honduras.
- 118 **Anodonta luteola** *Lea.* Isthmus of Darien.
- 118 **Melania planensis** *Lea.* Plan, &c., Honduras.

May, 1859.

- 151 **Lea.**—Descriptions of twenty-one new species of Exotic Unionidæ : by ISAAC LEA.
- 151 **Unio Sikkimensis** *Lea.* Sikkim, India.
- 151 **diminutis** *Lea.* East Africa.
- 152 **plicatulus** *Lea.* Borneo.
- 152 **naviguliformis** *Lea.*
- 152 **fructiger** *Lea.*
- 152 **mutabilis** *Lea.* Australia, &c.
- 152 **Thwaitzii** *Lea.* Ceylon.
- 152 **melleus** *Lea.*
- 152 **Dysoni** *Lea.* Honduras.
- 152 **Demararaensis** *Lea.* Demarara.
- 152 **Mauritianus** *Lea.* Mauritius.
- 153 **vittatus** *Lea.* Australia.
- 153 **Shanghaiensis** *Lea.* Shanghai.
- 153 **Layardii** *Lea.* Ceylon.
- 153 **Japanensis** *Lea.* Japan.
- 153 **Sumatrensis** *Lea.* Sumatra.
- 153 **Rowellii** *Lea.* Chagres riv., N. Granada.
- 153 **Wilsoni** *Lea.* Isaac's Plain, N. S. W.
- 154 **Anodonta Dahomeyensis** *Lea.* Dahomey.
- 154 **Senegalensis** *Lea.* Senegal.

July, 1859.

- 187 **Lea.**—Descriptions of four new species of Exotic Unionidæ : by ISAAC LEA.
- 187 **Unio bulloides** *Lea.* R. de la Plata.
- 187 **Monochondylæa planulata** *Lea.* Java.
- 187 **rhomboidea** *Lea.* Euphrates, near Bagdad.
- 187 **Unio rudus** *Lea.* R. de la Plata.

Oct. 1859.

- 281 **Lea.**—Description of a new species of *Unio* from the Isthmus of Darien : by ISAAC LEA.
- 281 **Unio Averyi** *Lea.* Isthmus of Darien.



[Proceedings Academy of Natural Sc.]

Dec. 1839.

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331 **Lea.**—Descriptions of three new species of Exotic Uniones: by  
ISAAC LEA.

331 **Unio Wynegungaensis** Lea. Bengal, &c.  
331 **consobrinus** Lea. China.  
331 **Nangpoorensis** Lea. Nangpoor, &c.

**Lesueur, Conrad, &c.**—Journal of the Academy of  
Natural Sciences of Philadelphia.\*

Vol. 4, pt. 1, No. 1. May, 1817.

Pa. Pl. Fig.

3 **Lesueur.**—Description of six new species of the genus  
Firola, observed by Messrs. Lesueur and Peron in the  
Mediterranean Sea, in the months of March and April,  
1809: by C. A. LESUEUR. (Vide also, Bull. Sc. Soc.  
Philom. 1817, pp. 157-160; and Isis, 1818, p. 155.)

3 Genus **Firola**.  
6 i 1 **Firola mutica** Les.  
6 i 2 **gibbosa** Les.  
7 i 3 **Forskalia** Les.  
7 i 4 **Cuviera** Per. & Les.  
7 i 5 **Frederica** Les.  
7 i 6 **Peronia** Les.

Vol. 1, pt. 1, No. 3. July, 1817.

37 **Lesueur.**—Characters of a new genus, and descriptions  
of three new species upon which it is formed: discovered  
in the Atlantic Ocean, in the months of March and April,  
1816. Lat. 20° 9': by C. A. LESUEUR.

38 **Firaloida** Les. (n. g.)  
39 ii 1<sup>b</sup> **Desmarestia** Les. \* Near Martinique.  
39 ii 2<sup>a</sup> **Blainvilliana** Les. Near Martinique.  
40 ii 3 **aculeata** Les.  
40 ii 4, 10 **Anatomy of Firola.**

Vol. ii, pt. 1. 1821.

**Lesueur.**—(See p. 6.)

[The following foreign species are also given.—W. G. B.]—

89 **Leachia** (n. g.)  
90 vi **Leachia cyclura** Les. Pacific Ocean.

\* The date of actual publication of each page is given on p. 68, vol. i, of Proc. A. N. S.

[Journal of the Academy.]

Pa.	Pl.	Fig.		
90	vii		<b>Loligo Bartrami</b> Les.	
95	?		<b>Bartlingii</b> Les.	Gulf Stream.
100			<b>Sepiolo cardioptera</b> Peron.	Lat. 31° S., long. 48° E.
100			<b>Sepia sepiola</b> Peron.	Endrach, N. Holland.
101			<i>octopa</i> Peron = <b>Peronii</b> Les.	Dorre, Shark Bay.
101			<i>rugosa</i> Peron non Bosc. = <b>Sepia Boscii</b> Les.	
101			<b>varietas</b> Peron.	Dorre Island.

Vol. II, pt. 2. 1822.

296 **Lesueur.**—On the *Onykia angulata*: by C. A. LESUEUR.

298 ? 1, 2 **Onykia angulata** Les. Lat. 36° 40' S., long. [29° E.  
(See also p. 100 of same vol.)

Vol. III, pt. 1. 1823.

2 **Lesueur.**—Descriptions of several new species of *Ascidia*: by C. A. LESUEUR. (See also *Philosp. Mag.*, vol. 63, 1824, p. 321; and *Isis*, 1834, p. 160.)

2	i	2	<b>Ascidia atra</b> Les.	St. Vincent's, &c.
2	i	1	<b>cavernosa</b> Les.	St. Bartholomew.
3	ii	1	<b>albeola</b> Les.	Guadaloupe.
4	ii	2, 3, 4	<b>multiformis</b> Les.	Guadaloupe.
4	ii	5	<b>variabilis</b> Les.	St. Thomas.
5	i	3	<b>claviformis</b> Les.	St. Vincent's.
5	iii	b	<b>plicata</b> Les.	Ship Bottom.
6	iii	a	<b>ovalis</b> Les.	Ship Bottom.
7			<b>lobifera</b> Les.	

[Here follows a list, without descriptions of species, observed by Peron and Lesueur in their voyage to Terra Australis.—W. G. B.]

8		<b>marginella.</b>	New Holland, &c.
8		<b>vermiculata.</b>	New Holland.
8		<b>anatifoidea.</b>	Isle of France.
8		<b>confederata.</b>	New Holland.
8		<b>trinema.</b>	Leuwin's Land.
8		<b>fragum.</b>	Elephant Bay, &c.
8		<b>truncata.</b>	Bass' Straits.
8		<b>rapuliformis.</b>	Endracht's Land.
8		<b>gigantea.</b>	Bourgainville Bay.
8		<b>lithopoda.</b>	Déores Island.
8		<b>rhizophora.</b>	Endracht's Land.
8		<b>rosea.</b>	Bourgainville Bay.
8		<b>alba.</b>	Bourgainville Bay.
8		<b>barbata.</b>	Nice, Europe.
8		<b>pilosa.</b>	Isle of France.

[Journal of the Academy.]

Pa.	Pl.	Fig.		
8			<b>Ascidia fasciata.</b>	Isle of France.
8			radiata.	Havre, Europe.
8			diaphana.	King's Island.
8			phyllostoma.	King's Island, &c.
8			tetradon.	Josephine's Island, &c.
8			peniformis.	Nuyt's Land.
8			australis.	Maria's Island.
8			lithoidea.	Leuwin's Land.
8			nigrita.	Edel's Land.
8			rhizophora.	Napoleon's Land.
8			anthropocephala.	St. Francis' Land, &c.
8			nasuta.	N. W. Coast of N. Hol'd.
8			democratia.	St. Francis' Land, &c.
8			verrucosa.	King's Island.
8			polystoma.	King's Island.

Vol. vi, pt. 2. March, 1831.

256 **Conrad.**—(Vide p. 337.)262 xi 21 **Nucula recurva** *Conr.* West Indies.262 xi 9, 10 **Lucina sphaeroides** *Conr.* Liberia.  
*Tellina divaricata* Ch.

Vol. vii, pt. 1. 1834.

178 **Conrad.**—Description of a new genus of Fresh Water Shells: by T. A. CONRAD.180 xiii **Pleiodon Macmurtrei** *Conr.* Liberia.182 **Conrad.**—Description of a new species of Hinnita: by T. A. CONRAD.182 xiv **Hinnita Poulsoni** *Conr.*

Vol. vii, pt. 2. 1837.

227 **Conrad.**—(Vide p. 419.)

**Conrad.**—Notes on Shells, with descriptions of new genera and species: by T. A. CONRAD. (From Journ. Ac. Nat. Sc. Phila., n. s., vol. i, No. 3, p. 210. Aug. 1849.) (Vide also, p. 404.)

[The foreign species only are here given.—W. G. B.]

Page.

210 **Cassis cornuta** *Linn.* East Indies.  
*Buccinum brevirostrum* Petiver.  
*Cassis Amboinensis* Petiver.

Page.		
210	<b>Cassis labiata</b> Chemn.	Indies.
211	<b>tuberosa</b> Linn. <i>Cochlea cassidiformis</i> Gualt. <i>Cassis flammea</i> .	
211	<b>Triton tuberosus.</b>	
211	<b>pyriformis.</b>	
212	<b>variegatus</b> Lam.	East Indies.
	<i>Buccinum tritonis</i> Petiver. <i>Murex tritonis</i> Linn.	
212	<b>nobilis</b> Conr.	West Indies.
	<i>T. variegatus</i> Rve.	
212	<b>variegatus.</b>	West Indies.
213	<b>Nautilus perforatus</b> Conr.	
214	<b>Pecten fragosus</b> Conr. (pl. xxxix, f. 11).	West Indies.

**Garratt.**—(Descriptions of Hawaiian Shells.) In Proc. California Acad. Nat. Sciences, San Francisco. Vol. i, part 2. March, 1857, p. 102.

Page.		Page.	
102	<b>Murex exigua</b> Garr.	103	<b>Rissoa multicostrata</b> Garr.
102	<b>Purpura striatella</b> Garr.	103	<b>Adeorbis costata</b> Garr.
102	<b>Turbo multilineata</b> Garr.	103	<b>Hipponix (Amalthea) minor</b> Garr.
102	<b>Trochus striatula (Margarita)</b> Garr.	103	<b>Bulla scripta</b> Garr.
102	<b>Pleurotoma (Mangella) reticulata</b> Garr.	103	<b>Succinea Newcombiana</b> Garr.
102	<b>Rissoa crassilabrum</b> Garr.		

**Barnes, Redfield, Adams, &c.**—Annals of the Lyceum of Natural History of New York.

Vol. 1, pt. 1. 1824.

Pa. Pl. Fig.

131 **Barnes.**—Notice of several species of Shells: by D. H. BARNES.

[A criticism by Ferussac on this paper in which the descriptions are repeated will be found in the Bulletin des Sciences Naturelles et de Géologie, 2ème section du Bulletin Universel des Sciences, &c. &c. Tome v, p. 282. Paris, 1825.—W. G. B.]

132 ix 1 **Cypræa maculata** Barnes. East Indies.  
*C. Arabica* Burrow.

## [Annals of New York Lyceum.]

Pa.	Pl.	Fig.		
133	ix	2	<i>Cypræa eburnea</i> Barnes.	China
135	ix	3	<i>Dolium dentatum</i> Barnes.	Peru.
136			<i>Natica patula</i> Sowb.	Peru.
			<i>N. helicoides</i> Barnes, MS.	
139	ix	4	<i>Voluta harpa</i> Barnes.	Peru.

Vol. 1, pt. 2. 1825.

383 (Continuation.)

384			<i>Dolium dentatum</i> Barnes = <i>D. ringens</i> ?	
385			<i>Natica helicoides</i> (vid. also Ann. vol. ii. 292).	
385			<i>Cypræa maculata</i> .	

[Plate ix contains also figures of two species not mentioned in the text. They are probably *Cerithium* — *t*—W. G. B.]

Vol. iv, pt. 5. 1816.

163 **Redfield.**—Descriptions of some new species of Shells:  
by JOHN H. REDFIELD. (See also, p. 164 of Bibl.)

163	x	4 <sup>a, b</sup>	<i>Marginella flavida</i> Redf.	Cuba, &c.
164	x	5 <sup>a, b</sup>	<i>obesa</i> Redf.	Carthage, S. Amer.
166	x	6 <sup>a, b</sup>	<i>Ranella Thersites</i> Redf.	Pacific?
168	xi	1 <sup>a, b, c</sup>	<i>Cardium setosum</i> Redf.	China.

169 **Jay.**—Descriptions of new species of Shells: by JOHN C. JAY, M. D.

169	x	7 <sup>a, b</sup>	<i>Bulimus infundibuliformis</i> Jay.	Bolivia.
169	x	8 <sup>a, b</sup>	<i>Conus Calliaudii</i> Jay.	

170 Notes on—

170			<i>Bulimus cinctus</i> Jay = <i>B. Favonii</i> Lam. Madagascar.	
170			<i>Turbo rotelliformis</i> Jay = <i>Trochiscus Norrisii</i> Sowb.	
170			<i>Ampullaria Brownii</i> Jay = <i>A. crassa</i> Swains.	
170			<i>Storeria</i> Jay = <i>A. naticoides</i> D'Orb.	
170			<i>Helix planorbis</i> Jay = <i>H. monilis</i> Br.	
170			<i>Physa scalaris</i> Jay.	
170			<i>Lymnea gracilis</i> Jay.	
170			<i>Bulimus ustulatus</i> Jay = <i>B. chrysalidiformis</i> Sowb.	
170			<i>Paludina tristis</i> Jay = <i>P. olivacea</i> Sowb.	
170			<i>Conus rhododendron</i> Couth. = <i>C. Adamsoni</i> Gr.	
170			<i>Cyclostoma Cumingii</i> Sowb. = <i>C. gigantea</i> Sowb.	
170			<i>Voluta armata</i> ? Lam. = <i>V. Miltoni</i> Gr.	

[Annals of New York Lyceum.]

Vol. iv. 1847.

Pa. Pl. Fig.

- 477           **Redfield.**—On the distinctive characters of *Cypræa reticulata* of Martyn, and *Cypræa histrio* of Meuschen: by JOHN H. REDFIELD.
- 482 xvi    1    **Cypræa reticulata** Mart.    Pacific Ocean.    .  
                   *C. arlequina* (var.) Chemn.  
                   *histrio* (pars) Gmel.  
                   *arabica* (var.) *histrio* Gr.  
                   *maculata* Barnes, &c. &c.
- 484 xvi    2    **histrio** Meuschen.           Indian Ocean?  
                   *C. arlequina* Ch.  
                   *arabica* (var.) *histrio* (pars) Gray.
- 491           **Redfield.**—Descriptions of new species of *Bullia* and *Marginella*, with notes upon G. B. Sowerby, Jr.'s monograph of the latter genus: by JOHN H. REDFIELD.
- 491 xxii   1    **Bullia plicata** Redf.?
- 492 xxii   2    **Marginella chrysomelina** Red. West Indies?
- 492 xxii   3    **Philippinarum** Redf.    Philippine Islands.  
                   *M. avena* Sowb. non Kien.
- 493           **cœrulescens** Lam.
- 493           **Storeria** Couth.
- 493           **unicolor** List.
- 493           **curta** Sowb.
- 493           **elegans** Gmel.
- 493           **undulata** Ch.
- 493           **conoidalis** Kien.
- 493           **apicina** Mke.
- 493           **flavida** Redf.
- 493           **triticea** Lam.
- 493           **guttata** Swains.
- 493           **longivaricosa** Lam.
- 493           **maculosa** Kien.
- 493           **obesa** Redf.  
                   *M. similis* Sowb.
- 493           **pyrulata** Redf.  
                   *M. obesa* Sowb.
- 495           **persicula** Linn.
- 495           **carnea** Storer.
- 495           **guttata** Dillw.
- 495           **avellana** Lam.
- 495           **lineata** Lam.
- 495           **cingulata** Dillw.

## [Annals of New York Lyceum and Contributions to Conchology.]

Vol. v, title page. 1832.

N. Y. ANN. CONTR.  
Page. No. Page.

- 41 8 125 **Adams.**—Descriptions of new species of *Partula* and *Achatinella*: by Prof. C. B. ADAMS.

[As this and the following papers were also issued as portions of "Contributions to Conchology," I refer to that work as well as to the New York Annals.—W. G. B.]

- 41 8 125 *Partula diminuta* Ad.  
 41 8 125 *Achatinella magna* Ad.  
 42 8 126 *Tappaniana* Ad. Sandwich Islands.  
 42 8 126 *Dimondi* Ad. Sandwich Islands.  
 43 8 127 var. ? *lata* Ad. Sandwich Islands.  
 43 8 127 *decepta* Ad.  
 44 8 128 *modesta* Ad. Sandwich Islands.  
 44 8 128 *Reevei* Ad.  
*A. viridans* Rve. not Mighels.
- 45 8 129 **Adams.**—Descriptions of new species and varieties of Shells which inhabit Jamaica: by Prof. C. B. ADAMS. (From same, p. 45.)
- 45 8 129 *Cyclostoma pulchrius* Ad. = *C. Binneyanum* Pfr.  
 45 8 129 *Cylindrella nobilior* (Pupa) Ad. = *C. Binneyana* Pfr.  
 45 8 129 *Helix arboreoides* Ad. = *H. Haldemaniana* Pfr.  
 46 8 130 *Marginella gracilis* Ad.  
 46 8 130 *Buccinum pulchellum* Ad.  
 47 8 131 *Pleurotoma albella* Ad.  
 47 8 131 *Valvata inconspicua* Ad.  
 47 8 131 *Planorbis humilis* Ad.  
 48 8 132 *dentiferus* Ad.  
 48 8 132 var. *edentatus* Ad.  
 48 8 132 *Ancylus obliquus* Ad.  
 48 8 132 *Truncatella modesta* Ad.  
 49 8 133 *Helicina nobilis* Ad.  
 49 8 133 *hirsuta* Ad.  
 50 8 134 *palliata* Ad.  
 50 8 134 *maxima* Ad.  
 50 8 134 *ampliata* Ad.  
 50 8 134 *consanguinea* Ad.  
 51 8 135 *microstoma* Ad.  
 52 8 136 *depressa* Ad.  
 52 8 136 *Trochatella Josephinae* Ad.  
 52 8 136 *Tankervillei* Ad.

[Annals of New York Lyceum and Contributions to Conchology.]

N. Y. ANN. CONTR.

Page.	No.	Page.	
53	8	137	<b>Cyclostoma sagittiferum</b> <i>Ad.</i>
54	8	138	<i>lamellosum</i> <i>Ad.</i>
54	8	138	<i>simulans</i> <i>Ad.</i>
55	8	139	<i>tenuistriatum</i> <i>Ad.</i>
55	8	139	<i>modestum</i> <i>Ad.</i>
55	8	139	<i>fimbriatulum</i> <i>Ad.</i>
56	8	140	<i>lincina</i> <i>Ad.</i>
56	8	140	<i>nodulosum</i> <i>Ad.</i>
56	8	140	<i>granosum</i> <i>Ad.</i>
56	8	140	<b>Adams.</b> —Analysis of the group of species of <i>Cyclostoma</i> , which is represented by <i>C. Jamaicense</i> <i>Chem.</i> (From same.)
59	8	143	<b>Cyclostoma corrugatum</b> ? <i>Sowb.</i>
59	8	143	<i>jugosum</i> <i>Ad.</i>
59	8	143	<i>pallescens</i> <i>Ad.</i>
59	8	143	<i>varians</i> <i>Ad.</i>
59	8	143	<i>seminudum</i> <i>Ad.</i>
59	8	143	<i>Jamaicense</i> <i>Chem.</i>
59	8	143	<i>crassum</i> <i>Ad.</i>
64	8	148	<b>Stoastoma</b> <i>Ad.</i>
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65	8	149	<i>Tappanianum</i> <i>Ad.</i>
65	8	149	<i>Hollandianum</i> <i>Ad.</i>
66	8	150	<i>Moricandianum</i> <i>Ad.</i>
67	8	151	<i>Petitianum</i> <i>Ad.</i>
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77	9	153	<b>Adams.</b> —Descriptions of new species and varieties of the Land Shells of Jamaica, with notes on some previously described species : by Prof. C. B. ADAMS. (From same.)
77	9	153	<b>Cyclostoma Hillianum</b> (var.) <i>leporilabre</i> <i>Ad.</i>
77	9	153	<i>Cyclostoma spinulosum</i> <i>Ad.</i> = <i>C. lincinellum</i> <i>Lam.</i>
77	9	153	<b>Cyclostoma Moussonianum</b> <i>Ad.</i>
78	9	154	<i>Cyclostoma amandum</i> <i>Ad.</i> = <i>C. scabriculum</i> <i>Sowb.</i>
78	9	154	<i>Cyclostoma virgineum</i> <i>Ad.</i> = <i>C. pisum</i> <i>Ad.</i>
78	9	154	<i>Cyclostoma concentricum</i> <i>Ad.</i> = <i>C. variabile</i> <i>Ad.</i>
78	9	154	<i>Cyclostoma mutatum</i> <i>Ad.</i> = <i>C. articulatum</i> <i>Sowb.</i>
78	9	154	<b>Cyclostoma flosum</b> <i>Sowb.</i> = <i>C. articulatum</i> <i>Gray.</i>
78	9	154	<i>Campbellii</i> <i>Ad.</i>



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79	9	155	<i>Cyclostoma proximum</i> <i>Ad.</i> = <i>C. fascia</i> <i>Gray.</i>
79	9	155	<b>Cyclostoma nitens</b> <i>Ad.</i>
79	9	155	<i>Augustæ Ad.</i>
79	9	155	<i>Jayanum Ad.</i>
79	9	155	<i>Augustæ Ad.</i>
79	9	155	<i>Chevalieri Ad.</i>
80	9	156	<i>album (var.) fuscum Ad.</i>
80	9	156	<i>Yallahense Ad.</i>
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84	9	160	<i>striosa Ad.</i>
84	9	160	<i>conica Ad.</i>
84	9	160	<b>Cylindrella Agnesiana (var.) diminuta</b> <i>Ad.</i>
84	9	160	<i>Robertal Ad.</i>
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85	9	161	<i>major Ad.</i>
85	9	161	<i>zonata Ad.</i>
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85	9	161	<i>Maugeri Ad.</i>
86	9	162	<i>var. nigrescens Ad.</i>
86	9	162	<i>solida Ad.</i>
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91	9	167	<i>princeps Ad.</i>
91	9	167	<i>elatior Ad.</i>
91	9	167	<i>Achatina striosa Ad.</i> = <b>Bulimus octonoides Ad.</b>
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99	9	175	<b>Neritina Jamaicensis</b> Ad.
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100	9	176	<b>picta</b> Fer.
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101	9	177	<b>Cyclostoma lincinellum</b> Lam.
101	9	177	<b>spinulosum</b> Ad.
101	9	177	<b>Banksianum</b> Sowb.
101	9	177	<b>hyacinthinum</b> Ad.
101	9	177	<b>mirabile</b> Wood.
101	9	177	<b>decussatulum</b> Ad.
101	9	177	<b>Cylindrella brevis</b> Pfr.
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101	9	177	<b>Cyclostoma Newcombianum</b> Ad.
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103	9	179	<i>Moussonianum</i> <i>Ad.</i>
103	9	179	<i>scabriculum</i> <i>Sowb.</i>
			<i>C. amandum</i> <i>Ad.</i>
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104	9	180	<i>seminudum</i> <i>Ad.</i>
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106	9	182	<b>Geomelania Greyana</b> <i>Ad.</i>
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106	9	182	<i>elegans</i> <i>Ad.</i>
106	9	182	<b>Cylindrella gracilis</b> <i>Wood.</i>
106	9	182	<i>elongata</i> <i>Chemn.</i>
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106	9	182	<b>Cylindrella</b> (var.) <i>diminuta</i> <i>Ad.</i>
106	9	182	<i>alba</i> <i>Ad.</i>
106	9	182	var. <i>striatula</i> <i>Ad.</i>
106	9	182	<i>subula</i> <i>Fer.</i>
106	9	182	<i>alabastrina</i> <i>Pfr.</i>
106	9	182	<i>Humboldtiana</i> (var. $\beta$ ) <i>Pfr.</i>
106	9	182	<i>variegata</i> (var. $\gamma$ ) <i>Pfr.</i>
106	9	182	<i>seminuda</i> <i>Ad.</i>
106	9	182	<i>Robertsi</i> <i>Ad.</i>
106	9	182	<i>costulata</i> <i>Ad.</i>
106	9	182	<i>costulosa</i> <i>Ad.</i>
106	9	182	<i>Hydeana</i> <i>Ad.</i>
			<i>Bulinus Gossei</i> <i>Pfr.</i>
106	9	182	<i>Gossei</i> <i>Pfr.</i>
106	9	182	<i>Maugeri</i> <i>Wood.</i>
106	9	182	var. <i>nigrescens</i> <i>Ad.</i>
106	9	182	<i>solida</i> <i>Ad.</i>
106	9	182	<i>levis</i> <i>Ad.</i>
106	9	182	<i>tricolor</i> <i>Ad.</i>
107	9	183	<i>crassa</i> <i>Ad.</i>
107	9	183	<i>unicincta</i> <i>Ad.</i>
107	9	183	<i>bicincta</i> <i>Ad.</i>
107	9	183	<i>concinna</i> <i>Ad.</i>
107	9	183	<i>sinuata</i> <i>Ad.</i>
107	9	183	<i>rufilabris</i> <i>Ad.</i>
107	9	183	<i>citrina</i> <i>Ad.</i>
107	9	183	<i>fusiformis</i> <i>Ad.</i>
107	9	183	<i>albida</i> <i>Ad.</i>
107	9	183	<i>valida</i> <i>Ad.</i>
107	9	183	<i>unicolor</i> <i>Ad.</i>
107	9	183	<i>striatula</i> <i>Ad.</i>
107	9	183	<i>striata</i> <i>Ad.</i>
107	9	183	<i>corpulenta</i> <i>Ad.</i>
107	9	183	<i>fusca</i> <i>Ad.</i>
107	9	183	<i>conica</i> <i>Ad.</i>
107	9	183	<i>tesselata</i> <i>Ad.</i>
107	9	183	<i>cinerea</i> <i>Ad.</i>
107	9	183	<i>gracilis</i> <i>Ad.</i>
107	9	183	<i>integra</i> <i>Ad.</i>
107	9	183	<i>Hollandi</i> <i>Ad.</i>
107	9	183	var. <i>Augustæ</i> <i>Ad.</i>
107	9	183	<i>procera</i> <i>Ad.</i>
107	9	183	<i>montana</i> <i>Ad.</i>

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Page.	No.	Page.	
107	9	183	<b>Cylindrella rosea</b> Pfr.
107	9	183	var. <i>magna</i> Ad.
107	9	183	major Ad.
107	9	183	fortis Ad.
107	9	183	ambigua Ad.
107	9	183	cylindrus Chemn.
107	9	183	rubella Ad.
107	9	183	zonata Ad.
107	9	183	aspera Ad.
107	9	183	brevis Pfr.
107	9	183	var. <i>obesa</i> Ad.
107	9	183	columna Ad.
107	9	183	intermedia Ad.
107	9	183	<b>Gravesii</b> Ad.
107	9	183	lata Ad.
107	9	183	var. <i>producta</i> Ad.
107	9	183	nobilior Ad.
107	9	183	<b>Baquilana</b> Chitty.
107	9	183	carnea Ad.
107	9	183	var. <i>cerina</i> Ad.
107	9	183	sanguinea Pfr.
107	9	183	pupæformis Ad.
107	9	183	humilis Ad.
107	9	183	inornata Ad.
107	9	183	simplex Ad.
107	9	183	pusilla Ad.
107	9	183	rubra Ad.
107	9	183	elatior Ad.
107	9	183	princeps Ad.
107	9	183	<b>Dunkeri</b> Pfr.
107	9	183	similis Ad.
107	9	183	tenella Ad.
107	9	183	tenera Ad.
107	9	183	<b>Achatina solitaria</b> Ad.
107	9	183	ligata Ad.
107	9	183	Jamaicensis Pfr.
107	9	183	procera Ad.
107	9	183	Griffithii Ad.
107	9	183	Philippiana Pfr.
107	9	183	elegans Ad.
107	9	183	venusta Ad.
107	9	183	leucozonias Walch.
107	9	183	Domincensis Gmel.

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Page.	No.	Page.	
107	9	183	<b>Achatina nitida</b> <i>Ad.</i>
107	9	183	<i>angiostoma</i> <i>Ad.</i>
107	9	183	<i>ingallsiana</i> <i>Ad.</i>
107	9	183	<i>unicolor</i> <i>Ad.</i>
107	9	183	<i>Gayana</i> <i>Ad.</i>
107	9	183	<i>nemorensis</i> <i>Ad.</i>
107	9	183	<i>similis</i> <i>Ad.</i>
107	9	183	<i>Phillipsii</i> <i>Ad.</i>
107	9	183	<i>arcuata</i> <i>Pfr.</i>
107	9	183	<i>puella</i> <i>Ad.</i>
107	9	183	<i>tenera</i> <i>Ad.</i>
107	9	183	<i>longispira</i> <i>Ad.</i>
107	9	183	<i>proxima</i> <i>Ad.</i>
107	9	183	<i>Blandiana</i> <i>Ad.</i>
107	9	183	<i>propinqua</i> <i>Ad.</i>
108	9	184	<i>osculans</i> <i>Ad.</i>
108	9	184	<i>perplexa</i> <i>Ad.</i>
108	9	184	<i>Gossei</i> <i>Pfr.</i>
108	9	184	<i>costulata</i> <i>Ad.</i>
108	9	184	<i>gracillior</i> <i>Ad.</i>
108	9	184	<i>costulosa</i> <i>Ad.</i>
108	9	184	<i>curvilabris</i> <i>Pfr.</i>
108	9	184	<i>vicina</i> <i>Ad.</i>
108	9	184	<i>pellucens</i> <i>Ad.</i>
108	9	184	<i>levis</i> <i>Ad.</i>
108	9	184	<i>micans</i> <i>Ad.</i>
108	9	184	<i>iota</i> <i>Ad.</i>
108	9	184	<i>octona</i> <i>Chemn.</i>
108	9	184	<i>striosa</i> <i>Ad.</i>
108	9	184	<b>Spiraxis costulosa</b> <i>Ad.</i>
108	9	184	<i>inuitata</i> ( <i>Achatina</i> ) <i>Ad.</i>
108	9	184	<i>mirabilis</i> ( <i>Bulimus</i> ) <i>Ad.</i>
108	9	184	<i>anomala</i> ( <i>Achatina</i> ) <i>Ad.</i>
108	9	184	<i>brevis</i> <i>Ad.</i>
108	9	184	<i>aberrans</i> ( <i>Achatina</i> ) <i>Pfr.</i>
108	9	184	var. <i>unicolor</i> <i>Ad.</i>
108	9	184	<b>Bulimus minimus</b> <i>Ad.</i>
108	9	184	<i>striatellus</i> <i>Ad.</i>
108	9	184	<i>terebella</i> <i>Ad.</i>
108	9	184	<i>pauperculus</i> <i>Ad.</i>
108	9	184	<i>hortensis</i> <i>Ad.</i>
108	9	184	<i>octonoides</i> <i>Ad.</i>
108	9	184	<i>pallidus</i> <i>Ad.</i>

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Page.	No.	Page.	
108	9	184	<b>Bulimus monodon</b> <i>Ad.</i>
108	9	184	<i>nitidiusculus</i> <i>Ad.</i>
108	9	184	<i>subula</i> <i>Pfr.</i>
			<i>B. procerus</i> <i>Ad.</i>
108	9	184	<i>læviusculus</i> <i>Ad.</i>
108	9	184	<i>rufescens</i> <i>Gray.</i>
108	9	184	<i>erubescens</i> <i>Pfr.</i>
108	9	184	<i>immaculatus</i> <i>Ad.</i>
108	9	184	<i>zebra</i> <i>Mull.</i>
			<i>B. undatus</i> <i>Brug.</i>
108	9	184	<i>macrospira</i> <i>Ad.</i>
108	9	184	<b>Pupa exilis</b> <i>Ad.</i>
108	9	184	<i>fallax</i> ? <i>Say.</i>
108	9	184	<i>lata</i> <i>Ad.</i>
108	9	184	<i>contracta</i> ? <i>Say.</i>
108	9	184	<i>tenuidens</i> <i>Ad.</i>
108	9	184	<i>hexodon</i> <i>Ad.</i>
108	9	184	<i>servilis</i> <i>Gould.</i>
108	9	184	<i>Jamaicensis</i> <i>Ad.</i>
108	9	184	<i>striatella</i> ? <i>Pfr.</i>
108	9	184	<b>Succinea angustior</b> <i>Ad.</i>
108	9	184	<i>Sagra</i> ? <i>D'Orb.</i>
108	9	184	<i>latior</i> <i>Ad.</i>
108	9	184	<i>contorta</i> <i>Ad.</i>
108	9	184	<b>Helix Martiniana</b> <i>Pfr.</i>
108	9	184	<i>peracutissima</i> <i>Ad.</i>
108	9	184	<i>soror</i> <i>Fer.</i>
108	9	184	<i>cara</i> <i>Ad.</i>
108	9	184	<i>var. media</i> <i>Ad.</i>
108	9	184	<i>amabilis</i> <i>Ad.</i>
109	9	185	<i>Chittyana</i> <i>Ad.</i>
109	9	185	<i>patina</i> <i>Ad.</i>
109	9	185	<i>var. nobilis</i> <i>Ad.</i>
109	9	185	<i>ingens</i> <i>Ad.</i>
109	9	185	<i>var. imperforata</i> <i>Ad.</i>
109	9	185	<i>indigna</i> <i>Ad.</i>
109	9	185	<i>acuta</i> <i>Lam.</i>
109	9	185	<i>var. acutissima</i> <i>Lam.</i>
109	9	185	<i>fuscolabris</i> <i>Ad.</i>
109	9	185	<i>lucerna</i> <i>Mull.</i>
109	9	185	<i>fortis</i> <i>Ad.</i>
109	9	185	<i>Okeniana</i> <i>Pfr.</i>

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Page.	No.	Page.	
109	9	185	<b>Helix Swainsoniana Ad.</b>
109	9	185	<b>tridentina Fer.</b>
109	9	185	<b>Bronni Pfr.</b>
109	9	185	<b>valida Ad.</b>
109	9	185	<b>consanguinea Ad.</b>
109	9	185	<b>var. imperforata Ad.</b>
109	9	185	<b>carinata Ad.</b>
109	9	185	<b>picturata Ad.</b>
109	9	185	<b>invalida Ad.</b>
109	9	185	<b>sinuata Müll.</b>
109	9	185	<b>var. propenuda Ad.</b>
109	9	185	<b>candescens Ad.</b>
109	9	185	<b>strangulata Ad.</b>
109	9	185	<b>anomala Pfr.</b>
109	9	185	<b>var. pallescens Ad.</b>
109	9	185	<b>convexa Ad.</b>
109	9	185	<b>Bainbridgei Pfr.</b>
109	9	185	<b>var. pretiosa Ad.</b>
109	9	185	<b>Spengleriana Pfr.</b>
109	9	185	<b>Redfieldiana Ad.</b>
109	9	185	<b>aspera Fer.</b>
109	9	185	<b>Jamaicensis Chemn.</b>
			<i>H. pulla</i> Gmel.
109	9	185	<b>angustata Fer.</b>
109	9	185	<b>Cubensis (var. 9) Pfr.</b>
109	9	185	<b>tunicata Ad.</b>
109	9	185	<b>Buddiana Ad.</b>
109	9	185	<b>MacMurrayi Ad.</b>
109	9	185	<b>munda Ad.</b>
109	9	185	<b>columellata Ad.</b>
109	9	185	<b>tenerrima Ad.</b>
109	9	185	<b>graminicola Ad.</b>
109	9	185	<b>nemoraloides Ad.</b>
109	9	185	<b>pulchrior Ad.</b>
109	9	185	<b>Gossei Pfr.</b>
109	9	185	<b>Blandiana Ad.</b>
109	9	185	<b>subconica Ad.</b>
109	9	185	<b>fuscocincta Ad.</b>
109	9	185	<b>virginea Ad.</b>
109	9	185	<b>Jacobensis Ad.</b>
109	9	185	<b>fuscula Ad.</b>
109	9	185	<b>immunda Ad.</b>

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109	9	185	<b>Helix rufula</b> Pfr.
109	9	185	<b>ptychodes</b> Pfr.
109	9	185	<b>alveus</b> Ad.
109	9	185	<b>perdepressa</b> Ad.
109	9	185	<b>brevior</b> Ad.
			<i>H. depressa</i> Ad.
109	9	185	<b>sincera</b> Ad.
109	9	185	<b>diminuta</b> Ad.
109	9	185	<b>apex</b> Ad.
109	9	185	<b>inconspicua</b> Ad.
109	9	185	<b>peraffinis</b> Ad.
109	9	185	<b>Boothiana</b> Pfr.
			<i>H. pellucida</i> Ad.
109	9	185	<b>spreta</b> Ad.
109	9	185	var. <b>errans</b> .
109	9	185	<b>turbiniformis</b> Pfr.
			<i>H. subpyramidalis</i> Ad.
109	9	185	<b>Anthoniana</b> Ad.
110	9	186	<b>angustispira</b> Ad.
110	9	186	<b>brevis</b> Ad.
110	9	186	<b>Hollandi</b> Ad.
110	9	186	<b>similis</b> Ad.
110	9	186	<b>arboreoides</b> Ad.
			<i>H. Haldemania</i> Pfr.
110	9	186	<b>ambigua</b> Ad.
110	9	186	<b>osculans</b> Ad.
110	9	186	va <b>delaminata</b> Ad.
110	9	186	<b>lamellifera</b> Ad.
110	9	186	<b>pila</b> Ad.
110	9	186	<b>Foremaniana</b> Ad.
110	9	186	<b>Cookiana</b> Gmel.
110	9	186	<b>epistylioides</b> Fer.
110	9	186	<b>alligans</b> Ad.
110	9	186	<b>epistylum</b> Müll.
110	9	186	var. <b>minor</b> Ad.
110	9	186	<b>delaminata</b> Ad.
110	9	186	<b>torrefacta</b> Ad.
110	9	186	<b>connectens</b> Ad.
110	9	186	<b>epistylulum</b> Ad.
110	9	186	<b>simulans</b> Ad.
110	9	186	<b>dioscoricola</b> Ad.
110	9	186	<b>paludosa</b> Pfr.

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Page.	No.	Page.	
110	9	186	<b>Proserpina discoidea</b> <i>Ad.</i>
110	9	186	<i>opalina</i> ( <i>Helix</i> ) <i>Ad.</i>
110	9	186	<i>nitida</i> <i>Soub.</i>
110	9	186	var. <i>planulata</i> <i>Ad.</i>
110	9	186	<i>pulchra</i> <i>Ad.</i>
110	9	186	<i>bidentata</i> <i>Ad.</i>
110	9	186	<i>pisum</i> <i>Ad.</i>
110	9	186	<b>Melampus coniformis</b> <i>Brug.</i>
110	9	186	<i>flavus</i> <i>Gmel.</i>
			<i>Auricula monile</i> <i>Lam.</i>
110	9	186	<i>pusillus</i> <i>Gmel.</i>
			<i>Auricula nitens</i> <i>Lam.</i>
110	9	186	<i>coronatus</i> <i>Ad.</i>
110	9	186	<i>cingulatus</i> <i>Pfr.</i>
110	9	186	<b>Pedipes quadridens</b> <i>Pfr.</i>
110	9	186	<i>ovalis</i> <i>Ad.</i>
111	9	187	<b>Adams.</b> —Catalogue of the Fresh Water Shells which inhabit Jamaica. (From same.)
111	9	187	<b>Neritina punctulata</b> <i>Lam.</i>
111	9	187	<i>Jamaicensis</i> <i>Ad.</i>
111	9	187	<i>tenebricosa</i> <i>Ad.</i>
111	9	187	<b>Melanopsis lineolata</b> <i>Gray.</i>
111	9	187	<b>Melania spinifera</b> <i>Ad.</i>
111	9	187	<b>Valvata pygmæa</b> <i>Ad.</i>
111	9	187	<i>inconspicua</i> <i>Ad.</i>
111	9	187	<b>Paludina rivularis</b> <i>Ad.</i>
111	9	187	<i>Jamaicensis</i> <i>Ad.</i>
111	9	187	<b>Ampullaria fasciata?</b> <i>Lam.</i>
111	9	187	<b>Planorbis MacNabianus</b> <i>Ad.</i>
111	9	187	<i>Redfieldi</i> <i>Ad.</i>
111	9	187	<i>Haldemani</i> <i>Ad.</i>
111	9	187	<i>dentiferus</i> <i>Ad.</i>
111	9	187	var. <i>edentatus</i> <i>Ad.</i>
111	9	187	<i>pallidus</i> <i>Ad.</i>
111	9	187	<i>deoptens</i> <i>Ad.</i>
111	9	187	<i>affinis</i> <i>Ad.</i>
111	9	187	<i>humilis</i> <i>Ad.</i>
111	9	187	<b>Ancylus obscurus?</b> <i>Hald.</i>
111	9	187	<i>obliquus</i> <i>Ad.</i>
111	9	187	<b>Physa Sowerbyana?</b> <i>D'Orb.</i>
111	9	187	<i>Jamaicensis</i> <i>Ad.</i>

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*Limnæa umbilicata* Ad.  
*Cyclas pygmæa* Ad.  
*Veatleyi* Ad.

Page.

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**Redfield.**—Descriptions of new species of *Marginella* and *Cypræa*: by JOHN H. REDFIELD.

224

*Marginella vexillum* Redf. Cape Palmas.

225

*amabilis* Redf. Yucatan.

*M. carnea* Sowb. not Storer.

226

*antiqua* Redf. Va. fossil.

226

*Gabiensis* Redf. = *M. amygdala* Kien.

226

*vermiculata* Redf. = *M. quinqueplicata* Lam.

227

*Hainesii* Pet. = *M. quinqueplicata* Lam.

227

*pubica* Gaskoin = *M. chrysomelina*.

227

*Delessertiana* Recl. = *albolineata* D'Orb.?

227

*Cypræa reticulata*.

227

*histris*.

229

**Adams.**—Catalogue of Shells collected at Panama, with notes, &c.: by C. B. ADAMS.

[Also published separately, 1862. I have given the pages of the Annals as well as of the separate work.—W. G. B.]

## Family Cypræidæ.

ANN.	P. S.		ANN.	P. S.	
Pa.	Pa.		Pa.	Pa.	
253	29	<i>Ovula avena</i> Sowb.	261	37	<i>Cypræa radians</i> Lam.
254	30	<i>emarginata</i> Sowb.			<i>Trivia radians</i> Gray.
255	31	<i>neglecta</i> Ad.			<i>C. oniscus</i> Wood.
255	31	<i>variabilis</i> Ad.	262	38	<i>rubescens</i> Gray.
256	32	—	262	38	<i>sanguinea</i> Gray
256	32	<i>Cypræa arabicula</i> Lam.			( <i>Trivia</i> ).
257	33	<i>cervinetta</i> Kien.	263	39	<i>Erato scabriuscula</i> Gr.
		<i>C. exanthema</i> (var.)			<i>Marginella cypraola</i>
		Gray.			Sowb.
		<i>cervus</i> (var.) Rve.			<i>Marginella granum</i> Kien.
259	35	<i>punctulata</i> Gray.	264	40	<i>Marginella minor</i> Ad.
259	35	<i>pustulata</i> Lam.	264	40	<i>sapotilla</i> Hinds.
		<i>Trivia pustulata</i> Gray.			



[Annals of New York Lyceum and Panama Shells.]

## Family Mitridæ.

ANN.	P. S.		ANN.	P. S.	
Pa.	Pa.		Pa.	Pa.	
266	42	<i>Mitra funiculata</i> Rve.	267	43	<i>Mitra nucleola</i> Lam.
266	42	<i>lens</i> Wood ( <i>Voluta</i> ).	268	44	<i>solitaria</i> Ad.
		<i>Tiara foraminata</i> Sw.	268	44	<i>tristis</i> Brod.
		<i>Mitra Dupontii</i> Kien.			
Family Purpuridæ.					
269	45	<i>Terebra elata</i> Hinds.	283	59	<i>Nassa canescens</i> Ad.
269	45	<i>larvæformis</i> Hinds.	283	59	<i>collaria</i> Ad.
270	46	<i>robusta</i> Hinds.	284	60	<i>corpulenta</i> Ad.
270	46	<i>specillata</i> Hinds.	285	61	<i>gemmulosa</i> Ad.
271	47	<i>tuberculosa</i> Hinds.	285	61	<i>glauca</i> Ad.
271	48	<i>varicosa</i> Hinds.	286	62	<i>luteostoma</i> Ad.
271	48	————?			<i>N. xanthostoma</i> Gray.
271	48	————?			<i>Buccinum luteostoma</i>
271	48	————?			Br. & Sowb.
271	48	————?	287	63	<i>nodifera</i> Powis.
271	48	————?	287	63	<i>pagodus</i> ( <i>Triton</i> ) Rve.
272	48	<i>Oliva angulata</i> Lam.			<i>Buccinum decussatum</i>
		<i>Voluta oliva</i> (var. ♂)			Kien.
		Gmel.	288	64	<i>Panamensis</i> Ad.
		<i>incrassata</i> Dillw.	288	64	<i>proxima</i> Ad.
273	49	<i>araneosa</i> Lam.	289	65	<i>scabriuscula</i> Powis?
		<i>O. reticularis</i> Rve.	289	65	<i>striata</i> Ad.
274	50	<i>inconspicua</i> Ad.	290	66	<i>versicolor</i> Ad.
275	51	<i>pellucida</i> Rve.	291	67	<i>Wilsoni</i> Ad.
275	51	<i>porphyria</i> Linn. ( <i>Vol.</i> )	291	67	<i>Buccinum crassum</i> Hd.
		<i>O. Panamaensis</i> Montf.			<i>Phos crassus</i> Hinds.
277	53	<i>semistriata</i> Gray.	292	68	<i>distortum</i> Bligh.
278	54	<i>testacea</i> Lam.			<i>Pollia distorta</i> Gray.
279	55	<i>undatella</i> Lam.			<i>Columbellu triumphalis</i>
		<i>O. tenebrosa</i> Wood.	293	68	<i>insigne</i> Rve. [Duel.
280	56	<i>venulata</i> Lam. [Rve.			<i>B. mutabile</i> Val.
		<i>O. reticularis</i> (var.)	293	69	<i>lugubre</i> Ad.
		<i>Voluta ispidula</i>	294	70	<i>pagodus</i> Rve.
		(♂ var.) Born.	294	70	<i>pristis</i> Desh.
281	57	<i>volutella</i> Lam.			<i>B. serratum</i> Kien.
		<i>O. carulea</i> Wood.	295	71	<i>ringens</i> Rve.
282	58	<i>Planaxis planicostata</i>	296	72	<i>sanguinolentum</i> Mke.
		Sowb.			<i>B. hæmastoma</i> Rve.
		<i>P. canaliculata</i> Duval			<i>Pollia hæmastoma</i> Gr.
		<i>Buccinum planaxis</i>			<i>Purpura sanguinolenta</i>
		Wood.			Duel.

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Ann.	P. S.		Ann.	P. S.	
Pa.	Pa.		Pa.	Pa.	
		<i>B. Janelii</i> Val.	306	82	<b>Columbella atramentaria</b> Sowb.
296	72	<b>Buccinum Stimpsonianum</b> Ad.	306	82	<b>bicanalifera</b> Sowb.
297	73	<b>Dolium ringens</b> Rve.	307	83	<b>Boivini</b> Kien.
		<i>D. dentatum</i> Barnes.	307	83	<b>conspicua</b> Ad.
		<i>personatum</i> Mke.	308	84	<b>costellata</b> Br. & Sowb.
		<i>Cassis ringens</i> Swains.	309	85	<b>diminuta</b> Ad.
		<i>Buccinum ringens</i> Wd.	309	85	<b>dorsata</b> Sowb.
		<i>Malea latilabris</i> Val.	310	86	<b>fluctuata</b> Sowb.
		<i>crassilabris</i> Val.			<i>C. suturalis</i> Griff.
		<i>Dolium latilabre</i> Kien.	311	87	<b>fulva</b> Sowb.
		<i>plicosum</i> Mke.	311	87	<b>fuscata</b> Sowb.
		<i>crassilabre</i> Mke.			<i>C. meleagris</i> Kien.
298	74	<b>Monoceros brevidentatum</b> Sowb.	312	88	<b>gibberula</b> Sowb.
		<i>Buccinum brevidentatum</i> Wood.	313	89	<b>gracilis</b> Ad.
		<i>Purpura cornigera</i> Bl.	313	89	<b>guttata</b> Sowb.
		<i>ocellata</i> Kien.	315	91	<i>C. cribraria</i> Sowb.
		<i>maculata</i> Gmel.	315	91	<b>hæmastoma</b> Sowb.
299	75	<b>cingulatum</b> Lam.	316	92	<b>harpiformis</b> Sowb.
		<i>Luccinum cingulatum</i>	317	93	<i>C. citharula</i> Ducl.
		Wood.	317	93	<b>labiosa</b> Sowb.
		<i>pseudodon</i> Burr.			<b>lyrata</b> Sowb.
		<i>Turbinella cingulata</i>			<b>major</b> Sowb.
		Kien.	318	94	<i>C. gibbosa</i> Val.
300	76	<b>Purpura Carolensis</b>			<i>strombiformis</i> Kiën.
300	76	<b>foveolata</b> Ad. [Rve.	318	94	<b>modesta</b> Gould.
301	77	<b>kiosquiformis</b> Ducl.	319	95	<i>Buccinum modestum</i>
302	78	—— (sp. ined.)	320	96	<b>mæsta</b> Ad. [Powis.
302	78	<b>melo</b> Desh.	320	96	<b>nigricans</b> Sowb.
		<i>P. crassa</i> Blainv.	320	96	<b>parva</b> Sowb.
		<i>melones</i> Ducl.	321	97	<b>pulchrior</b> Ad.
303	79	<b>osculans</b> Ad.	321	97	<b>pygmæa</b> Sowb.
303	79	<b>tecta</b> Rve.			<b>rugosa</b> Sowb.
		<i>P. angulifera</i> Ducl.	322	98	<i>C. Sowerbyi</i> Ducl.
		<i>callosa</i> Sowb.			<i>bicolor</i> Kien.
		<i>Buccinum tectum</i> Wd.			<b>strombiformis</b> Lam.
		<i>Cuma sulcata</i> Swains.	323	99	<i>Buccinum strombiforme</i> Wood.
		<i>Turbinella callosa</i>	323	99	<b>tesselata</b> Ad.
		<i>tectum</i> Rve. [Less.	324	100	<b>turrita</b> Sowb.
304	80	<b>undata</b> Lam.	324	100	<b>varia</b> Sowb.
		<i>P. hæmastoma</i> Mke.	325	101	—— (sp. ined.) [Rve.
			325	101	<b>Ricinula carbonaria?</b>

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ANN. P. S.		ANN. P. S.					
Pa.	Pa.	Pa.	Pa.				
325	101	Ricinus	jugosa Ad.	327	103	Cassia	coarctata Sowb.
326	102	Reeviana	Ad. [Rve.			Buccinum	coarctatum
			Buccinum pulchrum			Wood.	[Rve.
326	102	Cassia	abbreviata Bl.	328	104	Oniscia	tuberculosa
			C. lactea Kien.				

## Family Strombidae.

328	104	Conus	brunneus Wood.	332	108	Conus	purpurascens
329	105	gladiator	Brod.				Brod.
329	105	mahogani	Rve.	333	109	regalitäts	Sowb.
330	106	nux	Brod.	334	110	regularis	Sowb.
330	106	princeps	Linn.	334	110	vittatus	Lam.
			C. regius Chemn.	335	111	Strombus	galea Wood.
			(Conch. Cab. La Robe				S. galeatus Gray.
			Persienne Favanne.)	336	112	gracillor	Sowb.
			C. lineolatus Val.	337	113	granulatus	Swains.
				338	114	Peruvianus	Swains.

## Family Muricidae.

339	115	Triton	Chemnitzii Rve.	346	122	Murex	radix Schröt.
			T. perforatus Conr.				M. melanomathos Dill.
			Cassidaria setosa Hds.	347	123	rectirostris	Sowb.
			Triton nodosum Mke.	348	124	recurvirostris	Brod.
			Argo-buccinum nodo-	348	124	regius	Swains.
			sum Chemn.				M. tricolor Val.
			Murex argus (var. β,	349	125	salebrosus	King.
			pars) Gmel.				M. vitulinus Gray.
			Fusus Wiegmanni Ant.	350	126	vibex	Brod.
340	116	constrictus	Brod.	351	127	vittatus	Brod.
			T. decussatum Val.	351	127	Pyrula	patula Brod.
340	116	fusoides	Ad.				Cyrtulus patula Hinds.
340	116	gibbosus	Brod.	352	128	Ficula	ventricosa
341	117	lignarius	Brod.				Chemn.
342	118	vestitus	Hinds.				F. decussata Rve.
342	118	Ranella	coelata Brod.				Pyrula ventricosa Sb.
			R. semigranosa Kien.				Bulla decussata Wood.
343	119	nana	Brod.	353	129	Fusus	bellus Ad.
344	120	nitida	Brod.	353	129	Fasciolaria	granosa Br.
344	120	plicata	Rve.	354	130	Turbinella	cæstus Br.
345	121	Murex	dubius Sowb.	355	131	castanea	Gray.
			M. aculeatus Wood.				T. acuminata Rve.
345	121	erosus	Brod.	355	131	cerata	Rve.

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ANN. P. S.			ANN. P. S.	
Pa.	Pa.		Pa.	Pa.
		<i>Murex ceratus</i> Wood.		<i>Clavatulula rigida</i>
356	132	<b>Turbinella rudis</b> Rve.		[Hinds.
356	132	<b>spadicea</b> Rve.	370	146 <b>Pleurotoma rudis</b> Sty.
356	132	<b>Cancellaria affinis</b> Ad.	371	147 <b>rustica</b> Sowb.
357	133	<b>clavatulula</b> Sowb.		<i>P. thiarella</i> Kien.
358	134	<b>decussata</b> Sowb.	371	147 <b>striosa</b> Ad.
358	134	<b>goniostoma</b> Sowb.	372	148 <b>zonulata</b> Rve.
359	135	<b>mitriformis</b> Sowb.		<i>P. cincta</i> Sowb.
		<i>C. uniplicata</i> Sowb.	372	148 ——— (a).
359	135	<b>pulchra</b> Sowb.	372	148 ——— (b).
360	136	<b>pygmæa</b> Ad.	372	148 <b>Mangelia</b> ——— (c).
361	137	<b>solida</b> Sowb.	373	149 ——— (d).
361	137	<b>tesselata</b> Sowb.	373	149 ——— (e).
362	138	<b>Pleurotoma aterrima</b>	373	149 ——— (f).
362	138	<b>atrior</b> Ad. [Sowb.]	373	149 <b>neglecta</b> Ad.
363	139	<b>bicanalifera</b> Sowb.	373	149 <b>sulcosa</b> ? Sowb.
363	139	<b>collaris</b> Sowb.		<i>Columbella sulcosa</i> Sb.
364	140	<b>concinna</b> Ad.	374	150 <b>Cerithium adustum</b> Kn.
364	140	<b>corrugata</b> Sowb.	374	150 <b>assimilatum</b> Ad.
		<i>P. turricula</i> Sowb.	375	151 <b>bimarginatum</b> Ad.
		<i>Sowerbyii</i> Rve.	376	152 <b>famelicum</b> Ad.
365	141	<b>discors</b> Sowb.	376	152 <b>gemmatum</b> .
365	141	<b>duplicata</b> Sowb.	377	153 <b>interruptum</b> .
366	142	<b>excentrica</b> ? Sowb.	377	153 ——— (sp. ind.)
366	142	<b>exigua</b> Ad.	378	154 <b>irroratum</b> Gould.
367	143	<b>gemmulosa</b> Ad.	378	154 <b>neglectum</b> Ad.
367	143	<b>grandimaculata</b> Ad.	379	155 <b>Pacificum</b> Sowb.
368	144	<b>incrassata</b> Sowb.		<i>C. Humboldti</i> Val.
		<i>P. Bottæ</i> Kien.	379	155 <b>pauperculum</b> Ad.
368	144	<b>nigerrima</b> Sowb.	380	156 <b>pulchrum</b> Ad.
		<i>P. cornuta</i> Sowb.	380	156 <b>Reevianum</b> Ad.
369	145	<b>obeliscus</b> Rve.	381	157 <b>validum</b> Ad. [Ad.
369	145	<b>olivaces</b> Sowb.	382	158 <b>Triphoris alternatus</b>
370	146	<b>pallida</b> Sowb.	383	159 <b>inconspicuus</b> Ad.
370	146	<b>rigida</b> Hinds.	383	159 <b>infrequens</b> Ad.

## Family Littorinidæ.

384	160	<b>Turritella Banksii</b> Rve.	386	162 <b>Cœcum monstrosum</b>
385	161	<b>Cœcum diminutum</b> Ad.	387	163 <b>parvum</b> Ad. [Ad.
385	161	<b>eburneum</b> Ad.	387	163 <b>pygmæum</b> Ad.
385	161	<b>firmatum</b> Ad.	388	164 <b>Chemnitzia aculeus</b>
386	162	<b>læve</b> Ad.	388	164 <b>acuminata</b> Ad. [Ad.
386	162	<b>laqueatum</b> Ad.	389	165 <b>affinis</b> Ad.

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Ann. P. S.	Pa.	Pa.	Ann. P. S.	Pa.	Pa.
389	165	<i>Chemnitzia clathrata</i> <i>Ad.</i>	397	173	<i>Littorina? foveata</i> <i>Ad.</i>
390	166	<i>communis</i> <i>Ad.</i>	398	174	? <i>megasoma</i> <i>Ad.</i>
391	167	<i>gracillior</i> <i>Ad.</i>	398	174	? <i>parvula</i> <i>Phil</i>
391	167	<i>major</i> <i>Ad.</i>	399	175	<i>pulchra</i> <i>Sowb.</i>
391	167	<i>marginata</i> <i>Ad.</i>			<i>Turbo pulcher</i> Swains.
392	168	<i>Panamensis</i> <i>Ad.</i>	400	176	<i>puncticulata</i> <i>Phil.</i>
392	168	<i>similis</i> <i>Ad.</i>	400	176	<i>varia</i> <i>Sowb.</i>
393	169	<i>striosa</i> <i>Ad.</i>	401	177	<i>Rissoa clandestina</i> <i>Ad.</i>
393	169	<i>turrita</i> <i>Ad.</i>	401	177	<i>firmata</i> <i>Ad.</i>
394	170	<i>Littorina? anglostoma</i>	402	178	<i>fortis</i> <i>Ad.</i>
394	170	<i>aspera</i> <i>Phil.</i> [ <i>Ad.</i>	402	178	? <i>inconspicua</i> <i>Ad.</i>
395	171	<i>atrata</i> <i>Ad.</i>	403	179	<i>infrequens</i> <i>Ad.</i>
396	172	<i>conspersa</i> <i>Ad.</i>	403	179	<i>Janus</i> <i>Ad.</i>
396	172	? <i>excavata</i> <i>Ad.</i>	404	180	<i>notabilis</i> <i>Ad.</i>
397	173	<i>fasciata</i> <i>Gray.</i>	404	180	<i>scalariformis</i> <i>Ad.</i>
			405	181	—— (sp. ind.)

## Family Trochidae.

405	181	<i>Cingula? inconspicua</i>	414	190	<i>Trochus catenulatus</i>
405	181	<i>paupercula</i> <i>Ad.</i> [ <i>Ad.</i>			<i>Phil.</i>
406	182	? <i>terebellum</i> <i>Ad.</i>	415	191	<i>coronulatus</i> <i>Ad.</i>
406	182	? <i>turrita</i> <i>Ad.</i>	415	191	<i>Leanus</i> <i>Ad.</i>
407	183	<i>Litiopa? saxicola</i> <i>Ad.</i>	416	192	<i>lima</i> <i>Phil.</i>
407	183	<i>Adeorbis? abjecta</i> <i>Ad.</i>	416	192	<i>lividus</i> <i>Phil</i>
408	184	<i>Vitrinella concinna</i> <i>Ad.</i>	417	193	<i>Panamensis</i> <i>Phil.</i>
408	184	<i>exigua</i> <i>Ad.</i>	417	193	<i>pellis-serpentis</i> <i>Wd.</i>
409	185	<i>Janus</i> <i>Ad.</i>			<i>Turbo pellis-serpentis</i>
410	186	<i>minuta</i> <i>Ad.</i>			<i>Val.</i>
410	186	<i>modesta</i> <i>Ad.</i>	418	194	<i>reticulatus</i> <i>Wood.</i>
410	186	<i>Panamensis</i> <i>Ad.</i>	419	195	<i>Turbo Buschii</i> <i>Phil.</i>
411	187	<i>parva</i> <i>Ad.</i>			<i>Trochus Buschii</i> <i>Phil.</i>
411	187	<i>perparva</i> <i>Ad.</i>			<i>inermis</i> <i>Kien.</i>
412	188	<i>regularis</i> <i>Ad.</i>	419	195	? <i>phasianella</i> <i>Ad.</i>
412	188	<i>seminuda</i> <i>Ad.</i>	420	196	<i>rutilus</i> <i>Ad.</i>
413	189	<i>tricarinata</i> <i>Ad.</i>	420	196	<i>saxosus</i> <i>Wood.</i>
413	189	<i>valvatoides</i> <i>Ad.</i>	421	197	<i>Scalaria hexagona</i>
414	190	<i>Solarium</i> (sp. ind. a.)	422	198	<i>obtusa</i> <i>Sowb.</i> [ <i>Sowb.</i>
414	190	—— (sp. ind. b.)	422	198	—— (sp. ind. a.)
414	190	—— (sp. ind. c.)	422	198	—— (sp. ind. b.)
			422	198	—— (sp. ind. c.)

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Family **Eulimidæ.**

ANN. P. S.			ANN. P. S.		
Pa.	Pa.		Pa.	Pa.	
422	198	<b>Eulima</b> <i>lota</i> Ad.	423	199	<b>Eulima</b> <i>solitaria</i> Ad.
423	199	<i>recta</i> Ad.			

Family **Tornatellidæ.**

424	200	<b>Pyramidella</b> (sp. ind.)	424	200	<b>Pyramidella</b> <i>conica</i> Ad.
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Family **Neritidæ.**

425	201	<b>Natica</b> <i>Chemnitzii</i> Ad.	428	204	<b>Nerita</b> <i>scabricosta</i>
425	201	<i>lurida</i> ? Phil.			Lam.
425	201	<i>otis</i> Br. & Sowb.			<i>N. ornata</i> Sowb.
426	202	<b>Salangonensis</b> Recl. ?			<i>Deshayesii</i> Recl.
426	202	<b>Souleyetiana</b> Recl. ?			<i>multiugis</i> Mke.
427	203	<b>virginea</b> Recl. ?	429	205	— (sp. ind. a.)
427	203	— (sp. ind. a.)	430	206	<b>Neritina</b> <i>Guayaquilensis</i> Sowb.
427	203	— (sp. ind. b.)			
428	204	— (sp. ind. c.)	430	206	<i>picta</i> Sowb.

Family **Auriculidæ.**

431	207	<b>Pedipes</b> <i>angulata</i> Ad.	434	210	<b>Pedipes</b> <i>stagnalis</i> D'Or.
432	208	<i>acuta</i> D'Orb.			<i>A. papillifera</i> Kien.
		<i>Murinula</i> <i>Recluziana</i>	435	211	<b>Tabogensis</b> Ad.
432	208	<i>concinna</i> Ad. [Cum.	436	212	<i>trilineata</i> Ad.
433	209	<i>infrequens</i> Ad.	436	212	— (sp. ind.)
433	209	<i>Panamensis</i> Ad.			

Family **Cyclostomidæ.**

437	213	<b>Truncatella</b> <i>Bairdiana</i>	437	213	<b>Truncatella</b> ? <i>dubiosa</i>
		Ad.			Ad.

Family **Bullidæ.**

438	214	<b>Bulla</b> ( <i>Tornatina</i> ) <i>infrequens</i> Ad.	439	215	<b>Bulla</b> <i>punctulata</i> Sowb.
					<i>B. punctata</i> Ad.
439	215	( <i>Cylichna</i> ) <i>luticola</i>	439	215	— (sp. ind.)
		Ad.			

Family **Vermetidæ.**

440	216	<b>Vermetus</b> <i>glomeratus</i> ? Rousseau.	440	216	<b>Vermetus</b> <i>Panamensis</i>
		<i>Serpula</i> <i>glomerata</i>			Rousseau.
		(var. b., alt. excl.)			
		Lam.			

## [Annals of New York Lyceum and Panama Shells.]

Family **Haliotidae.**

ANN. P. S.		ANN. P. S.
Pa.	Pa.	Pa. Pa.
440	216	<i>Stomatella inflata</i> Ad.

Family **Calyptreidae.**

441	217	<i>Hipponix</i> (sp. ind.)	449	225	<i>Crepidula cerithiocola</i>
441	217	<i>barbata</i> ? Sowb.			Ad.
442	218	<i>Panamensis</i> Ad.	450	226	( <i>Crepidatella</i> ) <i>echinus</i>
		<i>H. mitrula</i> Sowb.	450	226	<i>excavata</i> Brod. [ <i>Brod.</i>
442	218	<i>radiata</i> Sowb.			<i>Calyptrea</i> ( <i>Crepi-</i>
443	219	<i>Calyptrea aberrans</i> Ad.			<i>dula</i> ) <i>excavata</i> Brod.
443	219	( <i>Syphopatella</i> ) <i>as-</i>	451	227	<i>hepatica</i> ? Desh.
		<i>persa</i> Ad.	452	228	<i>incurva</i> Brod.
444	220	<i>cepacea</i> Brod.			<i>Calyptrea</i> ( <i>Crepi-</i>
444	220	( <i>Syphopatella</i> ) <i>conica</i>			<i>dula</i> ) <i>incurva</i> Brod.
445	221	<i>dentata</i> Mke. [ <i>Brod.</i>	453	229	<i>Lessonii</i> Brod.
		<i>C. rugosa</i> Rve.			<i>Calyptrea</i> ( <i>Crepi-</i>
445	221	( <i>Calypeopsis</i> ) <i>hispida</i>	453	229	<i>dula</i> ) <i>Lessonii</i> Brod.
		<i>Brod.</i>			<i>squama</i> Brod.
446	222	( <i>Calypeopsis</i> ) <i>imbri-</i>			<i>Calyptrea</i> ( <i>Crepi-</i>
		<i>cata</i> Brod.			<i>dula</i> ) <i>squama</i> Brod.
447	223	( <i>Calypeopsis</i> ) <i>macu-</i>	454	230	<i>unguliformis</i> Lam.
		<i>lata</i> Brod.			<i>C. italica</i> Defr.
447	223	<i>planulata</i> Ad. [ <i>Brod.</i>			<i>plana</i> Say.
447	223	( <i>Calypeopsis</i> ) <i>radiata</i>			<i>calceolina</i> Desh.
448	224	( <i>Syphopatella</i> ) <i>re-</i>			<i>dilatata</i> D'Orb.
		<i>gularis</i> Ad.			<i>Patella crepidula</i> Lin.
449	225	<i>umbrella</i> Desh.	458	234	<i>nivea</i> Ad.
		<i>C. rudis</i> Brod.	458	234	<i>osculans</i> Ad.
449	225	<i>unguis</i> ?	459	235	<i>rostrata</i> Ad.

Family **Fissurellidae.**

459	235	<i>Fissurella aequalis</i>	463	239	<i>Siphonaria costata</i> Sb.
460	236	<i>alta</i> Ad. [ <i>Sowb.</i>	463	239	<i>gigas</i> Sowb.
460	236	<i>macrotrema</i> Sowb.	464	240	<i>maura</i> Sowb.
461	237	<i>microtrema</i> Sowb.	464	240	<i>pica</i> ? Sowb.
461	237	<i>mus</i> Rve.	465	241	<i>Lottia patina</i> ? Rathke.
461	237	<i>nigropunctata</i> Sowb.			<i>Acmæa patina</i> Rath.
462	238	<i>ostrina</i> Rve.	465	241	—— (sp. ind. a.)
462	238	<i>virescens</i> Sowb.	465	241	—— (sp. ind. b.)
463	239	<i>Siphonaria character-</i>	465	241	—— (sp. ind. c.)
		<i>istica</i> Rve.			

[Annals of New York Lyceum and Panama Shells.]

Family **Patellidæ.**

ANN. P. S.			ANN. P. S.		
Pa.	Pa.		Pa.	Pa.	
465	241	<i>Patella</i> ? (sp. ind. a.)	466	242	<i>Chiton luridus</i> ? Sowb.
466	242	<i>Chiton clathratus</i> Rve.	467	243	<i>pulchellus</i> Gray.
466	242	<i>dispar</i> Sowb.	467	243	<i>Stokesii</i> Brod.

Family **Ostræidæ.**

468	244	<i>Anomia lampe</i> Gray.	469	245	<i>Ostrea</i> — (sp. ind. b.)
469	245	<i>tenuis</i> Ad.	470	246	— (sp. ind. c.)
469	245	— (sp. ind. a.)	470	246	— (sp. ind. d.)
469	245	<i>Ostrea</i> — (sp. ind. a.)	470	246	— (sp. ind. e.)

Family **Pectenidæ.**

471	247	<i>Spondylus Lamarckii</i>			<i>Pecten ventricosus</i> in
		Chenu.			errata.
471	247	— (sp. ind. a.)	472	248	<i>Tumbezensis</i> D'Orb.
471	247	<i>Pecten inca</i> D'Orb.			<i>P. aspersus</i> Sowb.
		<i>P. tumidus</i> Sowb.	472	248	<i>Lima angulata</i> Sowb.
		<i>ventricosus</i> Sowb.	473	249	<i>Pacifica</i> D'Orb.
					<i>L. arcuata</i> Sowb.

Family **Aviculidæ.**

473	249	<i>Avicula margaritifera</i> ?	474	250	<i>Perna</i> — (sp. ind. a.)
474	250	<i>sterna</i> Gould.	474	250	— (sp. ind. b.)

Family **Mytilidæ.**

474	250	<i>Pinna maura</i> Sowb.	476	252	<i>Modiola</i> — (sp.
475	251	<i>tuberculosa</i> Sowb.			ind. a.)
475	251	<i>Mytilus</i> (sp. ind. a.)	476	252	— (sp. ind. b.)
475	251	<i>Lithodomus</i> — (sp.	476	252	— (sp. ind. c.)
		ind. a.)	476	252	— (sp. ind. d.)
475	251	<i>Modiolasemifusca</i> ? Lk.	476	252	— (sp. ind. e.)
		<i>Mytilus Guaiænsis</i> Küst.			

Family **Chamidæ.**

477	253	<i>Chama Buddiana</i> Ad.	478	254	<i>Chama echinata</i> Brod.
477	253	<i>corrugata</i> ? Brod.			

Family **Arcidæ.**

478	254	<i>Nucula Elenensis</i> Sowb.	479	255	<i>Nucula polita</i> Sh. [Sh.]
479	255	<i>exigua</i> Sowb.	480	256	<i>Pectunculus assimilis</i>



## [Annals of New York Lyceum and Panama Shells.]

Ann. P. S.		Ann. P. S.	
Pa.	Pa.	Pa.	Pa.
481	257	<b>Pectunculus maculatus</b> <i>Brod.</i>	484 260 <b>Arca (Byssarca) pholadiformis</b> <i>Ad.</i>
481	257	<b>Arca alternata</b> <i>Rce.</i> <i>Byssarca alternata</i> Swb.	485 261 <b>Reeveana D'Orb.</b> <i>A. Heblingii</i> <i>Rve.</i>
481	257	<b>aviculoides?</b> <i>Shy.</i> <i>A. auriculata</i> <i>Sowb.</i>	485 261 <b>reversa</b> <i>Sowb.</i> <i>A. hemicardium</i> <i>Koch.</i>
482	258	<b>emarginata</b> <i>Sowb.</i>	485 261 <b>similis</b> <i>Ad.</i>
482	258	<b>gradata</b> <i>Brod. &amp; Shy.</i>	486 262 <b>solida</b> <i>Shy.</i> [Sowb. <i>Byssarca solida</i>
483	259	<b>grandis</b> <i>Brod. &amp; Shy.</i>	486 262 <b>(Byssarca) Tabogensis</b> <i>Ad.</i>
483	259	<b>mutabilis</b> <i>Shy.</i> [Sowb. <i>Byssarca mutabilis</i>	487 263 <b>tuberculosa</b> <i>Sowb.</i>
			488 264 ——— (sp. ind. a.)

Family **Cardiidae.**

488	264	<b>Cardita affinis</b> <i>Sowb.</i> <i>C. nodulosa</i> <i>Val.?</i>	491 267 <b>Cardium obovale</b> <i>Br.</i> <i>&amp; Sowb.</i>
489	265	<b>laticosta</b> <i>Sb.</i> <i>C. arcella</i> <i>Val.</i>	491 267 <b>planicostatum</b> <i>Sowb.</i>
489	265	<b>radita</b> <i>Sowb.</i>	491 267 <b>procerum</b> <i>Sowb.</i>
490	266	<b>Cardium graniferum</b> <i>Brod. &amp; Sowb.</i>	492 268 <b>senticosum</b> <i>Sowb.</i> <i>C. rastrum</i> <i>Rve.</i>

Family **Veneridae.**

493	269	<b>Venus amathusia</b> <i>Phil.</i>	496 272 <b>Cytherea aurantiaca</b> <i>Sowb.</i>
493	269	<b>discors</b> <i>Sowb.</i>	<i>C. aurantia</i> <i>Hanley.</i>
493	269	<b>gnidia</b> <i>Brod. et Sowb.</i>	496 272 <b>consanguinea</b> <i>Ad.</i>
494	270	<b>multicostata</b> <i>Sowb.</i> <i>V. Thouarsi</i> <i>Val.</i>	497 273 <b>radiata</b> <i>Sowb.</i>
494	270	<b>pectunculoides</b> <i>Val.</i>	497 273 <b>squalida</b> <i>Sowb.</i> <i>C. biradiata</i> <i>Gray.</i>
495	271	<b>subrugosa</b> <i>Sowb.</i> <i>Cytherea subsulcata?</i> Mke.	498 274 <b>Artemis Dunkeri</b> <i>Rce.</i> <i>Cytherea Dunkeri</i> <i>Ph.</i> <i>Artemis Pacifica</i> <i>Tros.</i>
495	271	——— (sp. ind. a.)	499 275 <b>saccata</b> <i>Gould.</i>
495	271	——— (sp. ind. b.)	499 275 <b>Gouldia Pacifica</b> <i>Ad.</i>
496	272	<b>Cytherea affinis</b> <i>Sowb.</i>	499 275 <b>Cyrena maritima</b> <i>Ad.</i>

Family **Tellenidae.**

500	276	<b>Lucina tellinoides</b> <i>Rve.</i>	501 277 <b>Donax gracilis</b> <i>Hanl.</i>
500	276	<b>Capsa altior</b> <i>Sowb.</i>	502 278 <b>navicula</b> <i>Hanl.</i>
501	277	<b>Donax assimilis</b> <i>Hanl.</i>	502 278 <b>rostratus</b> <i>Ad.</i>

## [Annals of New York Lyceum and Panama Shells.]

ANN. P. S.	Pa.	Pa.	ANN. P. S.	Pa.	Pa.
503	279	<i>Tellina aurora</i> Hanl.	507	283	<i>Tellina puella</i> Ad.
503	279	<i>cognata</i> Ad.	507	283	<i>rubescens</i> Hanl.
504	280	<i>Columbiensis</i> Hanl.	508	284	<i>siliqua</i> Ad.
504	280	<i>concinna</i> Ad.	508	284	<i>simulans</i> Ad.
505	281	<i>crystallina</i> Chemn.			<i>T. punicea</i> part Hanl.
505	281	<i>Cumingii</i> Hanl.	509	285	<i>sincera</i> Hanl.
506	282	<i>Dombei</i> Hanl.	509	285	<i>vicina</i> Ad.
506	282	<i>felix</i> Hanl.	510	286	— (sp. ind. a.)
506	282	<i>laceridens</i> Hanl.	510	286	— (sp. ind. b.)
507	283	<i>prora</i> Hanl.	510	286	— (sp. ind. c.)

Family *Petricolidæ*.

510	286	<i>Petricola cognata</i> Ad.	511	287	<i>Saxicava tenuis</i> ? Sowb.
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Family *Mastridæ*.

511	287	<i>Cumingia coarctata</i> Sb.	515	291	<i>Amphidesma tor-</i>
512	288	<i>trigularis</i> Sowb.			<i>tuosum</i> Ad.
512	288	— (sp. ind. a.)	516	292	<i>ventricosum</i> Ad.
512	288	— (sp. ind. b.)	516	292	<i>Crassatella gibbosa</i> Sb.
512	288	— (sp. ind. c.)	517	293	<i>Mulinia donaciformis</i>
512	288	— (sp. ind. d.)	517	293	<i>ventricosa</i> Gld. Hanl.
512	288	<i>Amphidesma bicolor</i>			<i>Lutraria ventricosa</i>
513	289	<i>ellipticum</i> Sowb. ? [Ad.]			Gould.
513	289	<i>proximum</i> Ad.	517	293	<i>Lutraria elegans</i> Sby.
514	290	<i>pulchrum</i> Sowb.			<i>Mastra elegans</i> Sowb.
515	291	<i>striosum</i> Ad.	518	294	<i>Mastra velata</i> Phil.

Family *Corbulidæ*.

518	294	<i>Anatina alta</i> Ad.	522	298	<i>Corbula obesa</i> Hinds.
519	295	<i>Pandora cornuta</i> Ad.	522	298	<i>ovulata</i> Sowb.
519	295	<i>Potamomya æqualis</i>	523	299	<i>rubra</i> Ad.
520	296	<i>inflata</i> Ad. [Ad.]	523	299	<i>tenuis</i> Ad.
520	296	<i>trigonalis</i> Ad.	524	300	— (sp. ind. a.)
521	297	<i>Corbula bicarinata</i> Sb.	524	300	— (sp. ind. b.)
521	297	<i>biradiata</i> Sowb.			

Family *Solenidæ*.

524	300	<i>Solecortus affinis</i> Ad.	524	300	<i>Solen rudis</i> Ad.
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[Annals of New York Lyceum and Panama Shells.]

Family **Pholadidæ.**

ANN. P. S.		ANN. P. S.	
Pa.	Pa.	Pa.	Pa.
525	301	<i>Pholas crucigera</i>	Sowb.
526	302	<i>tubifera</i>	Sowb.
526	302	<i>xylophaga</i>	Val.
			<i>Penitella xylophaga?</i>
			Val.
		526	302 <i>Pholas</i> — (sp. ind. a.)
		526	302 — (sp. ind. b.)

CLASS **BRACHIOPODA.**527 303 *Orbicula Cumingii* Brod.

## SYNOPSIS OF NEW SPECIES.

528	304	<i>Ovula neglecta</i>	Ad.	532	308	<i>Pleurotoma atrior</i>	Ad.
528	304	<i>variabilis</i>	Ad.	532	308	<i>concinna</i>	Ad.
528	304	<i>Marginella minor</i>	Ad.	532	308	<i>exigua</i>	Ad.
528	304	<i>Mitra solitaria</i>	Ad.	532	308	<i>gemmulosa</i>	Ad.
528	304	<i>Oliva inconspicua</i>	Ad.	532	308	<i>grandimaoulata</i>	Ad.
528	304	<i>Nassa canescens</i>	Ad.	533	309	<i>striosa</i>	Ad.
529	305	<i>collaria</i>	Ad.	533	309	<i>Mangelia neglecta</i>	Ad.
529	305	<i>corpulenta</i>	Ad.	533	309	<i>Cerithium assimilatam</i>	[Ad.
529	305	<i>gemmulosa</i>	Ad.				
529	305	<i>glauca</i>	Ad.	533	309	<i>bimarginatum</i>	Ad.
529	305	<i>Panamensis</i>	Ad.	533	309	<i>famelicum</i>	Ad.
529	305	<i>proxima</i>	Ad.	533	309	<i>neglectum</i>	Ad.
529	305	<i>striata</i>	Ad.	533	309	<i>pauperculum</i>	Ad.
529	305	<i>versicolor</i>	Ad.	534	310	<i>pulchrum</i>	Ad.
530	306	<i>Wilsoni</i>	Ad.	534	310	<i>Reevianum</i>	Ad.
530	306	<i>Buccinum lugubre</i>	Ad.	534	310	<i>validum</i>	Ad. [Ad.
530	306	<i>Stimpsonianum</i>	Ad.	534	310	<i>Triphoris alternatus</i>	
530	306	<i>Purpura foveolata</i>	Ad.	534	310	<i>inconspicuus</i>	Ad.
530	306	<i>osculans</i>	Ad. [Ad.	534	310	<i>infrequens</i>	Ad.
530	306	<i>Columbella conspicua</i>		534	310	<i>Cœcum diminutum</i>	Ad.
530	306	<i>diminuta</i>	Ad.	535	311	<i>eburneum</i>	Ad.
531	307	<i>gracilis</i>	Ad.	535	311	<i>firmatum</i>	Ad.
531	307	<i>moesta</i>	Ad.	535	311	<i>læve</i>	Ad.
531	307	<i>pulchrior</i>	Ad.	535	311	<i>laqueatum</i>	Ad.
531	307	<i>tesselata</i>	Ad.	535	311	<i>monstrosum</i>	Ad.
531	307	<i>Riccinula jugosa</i>	Ad.	535	311	<i>parvum</i>	Ad.
531	307	<i>Triton fuscoides</i>	Ad.	535	311	<i>pygmæum</i>	Ad.
531	307	<i>Fusus bellus</i>	Ad.	535	311	<i>Chemnitzia aculeus</i>	Ad.
532	308	<i>Cancellaria affinis</i>	Ad.	535	311	<i>acuminata</i>	Ad.
532	308	<i>pygmæa</i>	Ad.	535	311	<i>affinis</i>	Ad.

## [Annals of New York Lyceum and Panama Shells.]

ANN. P. S.		ANN. P. S.	
Pa.	Pa.	Pa.	Pa.
535	311	<i>Chemnitzia clathratula</i>	541 317 <i>Turbo ? phasaniella</i> Ad.
536	312	<i>communis</i> Ad. [Ad.]	541 317 <i>rutilus</i> Ad.
536	312	<i>gracillor</i> Ad.	541 317 <i>Eulima iota</i> Ad.
536	312	<i>major</i> Ad.	541 317 <i>recta</i> Ad.
536	312	<i>marginata</i> Ad.	542 318 <i>solitaria</i> Ad.
536	312	<i>Panamensis</i> Ad.	542 318 <i>Pyramidella conica</i> Ad.
536	312	<i>similis</i> Ad.	542 318 <i>Pedipes angulata</i> Ad.
536	312	<i>striosa</i> Ad.	542 318 <i>Auricula concinna</i> Ad.
536	312	<i>turrita</i> Ad.	542 318 <i>infrequens</i> Ad.
537	313	<i>Littorina? anglostoma</i>	542 318 <i>Panamensis</i> Ad.
537	313	<i>atrata</i> Ad. [Ad.]	542 318 <i>Tabogensis</i> Ad.
537	313	<i>dubiosa</i> Ad.	543 319 <i>trilineata</i> Ad.
537	313	<i>? excavata</i> Ad.	543 319 <i>Truncatella Bairdiana</i>
537	313	<i>? foveata</i> Ad.	543 319 <i>? dubiosa</i> Ad. [Ad.]
537	313	<i>? megasoma</i> Ad.	543 319 <i>Bulla infrequens</i> Ad.
537	313	<i>Rissoa clandestina</i> Ad.	543 319 <i>luticola</i> Ad.
537	313	<i>firmata</i> Ad.	543 319 <i>Stomatella inflata</i> Ad.
538	314	<i>fortis</i> Ad.	543 319 <i>Calyptræa aberrans</i>
538	314	<i>? inconspicua</i> Ad.	Ad.
538	314	<i>infrequens</i> Ad.	543 319 <i>(Syphopatella) as-</i>
538	314	<i>Janus</i> Ad.	<i>persa</i> Ad.
538	314	<i>notabilis</i> Ad.	544 320 <i>planulata</i> Ad.
538	314	<i>scalariformis</i> Ad.	544 320 <i>(Syphopatella) re-</i>
538	314	<i>Cingula? inconspicua</i>	<i>regularis</i> Ad.
539	315	<i>paupercula</i> Ad. [Ad.]	544 320 <i>Crepidula cerithicola</i>
539	315	<i>? terebellum</i> Ad.	544 320 <i>nivea</i> Ad. [Ad.]
539	315	<i>turrita</i> Ad.	544 320 <i>osculans</i> Ad.
539	315	<i>Litiopa? saxicola</i> Ad.	544 320 <i>rostrata</i> Ad.
539	315	<i>Adeorbis? abjecta</i> Ad.	544 320 <i>Fissurella alta</i> Ad.
539	315	<i>Vitrinella concinna</i> Ad.	544 320 <i>Anomia tenuis</i> Ad.
539	315	<i>exigua</i> Ad.	544 320 <i>Chama Buddiana</i> Ad.
539	315	<i>Janus</i> Ad.	545 321 <i>Arca pholadiformis</i> Ad.
540	316	<i>minuta</i> Ad.	545 321 <i>similis</i> Ad.
540	316	<i>modesta</i> Ad.	545 321 <i>Tabogensis</i> Ad.
540	316	<i>Panamensis</i> Ad.	545 321 <i>Cytherea consan-</i>
540	316	<i>parva</i> Ad.	<i>guinea</i> Ad.
540	316	<i>perparva</i> Ad.	545 321 <i>Gouldia Pacifica</i> Ad.
540	316	<i>regularis</i> Ad.	545 321 <i>Cyrena maritima</i> Ad.
540	316	<i>seminuda</i> Ad.	545 321 <i>Donax rostrata</i> Ad.
540	316	<i>tricarinata</i> Ad.	545 321 <i>Tellina cognata</i> Ad.
541	317	<i>valvatoides</i> Ad.	546 322 <i>concinna</i> Ad.
541	317	<i>Trochus coronulatus</i>	546 322 <i>puella</i> Ad.
541	317	<i>Leanus</i> Ad. [Ad.]	546 322 <i>siliqua</i> Ad.

## [Annals of New York Lyceum and Panama Shells.]

ANN. P. S.		ANN. P. S.	
Pa.	Pa.	Pa.	Pa.
546	322	547	323
546	322	547	323
546	322	547	323
547	323	548	324
547	323	548	324
547	323	548	324
547	323	548	324
547	323	548	324
547	323	548	324

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Page.

14 **Redfield.**—Descriptions of new species of Helicidæ: by JOHN H. REDFIELD.

14	<b>Bulimus lentiginosus</b> Redfield.	Trinidad.
15	<b>Siamensis</b> Redfield.	Siam.
16	<b>Helix circumfirmata</b> Redfield.	Bermuda.

17 Note on—

Geographical distribution of *Bulimus ventricosus* Fer.

18 **Newcomb.**—Descriptions of new species of Achatinella from Sandwich Islands: by Dr. W. NEWCOMB.

18	<b>Achatinella violacea</b> Newc.	Molokai.
19	<b>tessellata</b> Newc.	Molokai.
19	<b>Adamsi</b> Newc.	Makawao, Maui.
20	<b>splendida</b> Newc.	Waialukee, Maui.
21	<b>Gouldi</b> Newc.	Waialukee, Maui.
21	<b>rufa</b> Newc.	Molokai.
22	<b>Redfieldi</b> Newc.	Maui.
22	<b>ovata</b> Newc.	Oahu.
23	<b>dubia</b> Newc.	Oahu.
24	<b>polita</b> Newc.	Molokai.
24	<b>obesa</b> Newc.	Maui.
25	<b>Cumingii</b> Newc.	Maui.
25	<b>Pfeifferi</b> Newc.	Molokai.
26	<b>elongata</b> Newc.	Oahu.
27	<b>Helena</b> Newc.	Molokai.
27	<b>labiata</b> Newc.	Oahu.
28	<b>mucronata</b> Newc.	Molokai.
28	<b>fusca</b> Newc.	Oahu.
29	<b>lineolata</b> Newc.	E. Maui.
29	<b>grana</b> Newc.	E. Maui.

[Annals of New York Lyceum.]

Pa.

- 35 **Fairbank.**—Observations on the animal of *Rotella Lam.*: by Rev. S. B. FAIRBANK, of Bombay. (With a fig.)

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- 68 **Shuttleworth.**—Catalogue of the Terrestrial and Fluvial Shells of St. Thomas, West Indies: by R. J. SHUTTLEWORTH, &c.

[In the remarks are also additional notes on synonymy and habitat.—W. G. B.]

Pa.

- 68 *Helix vortex* Pfr.  
68 *subaquilla* Sh.  
68 *euclasta* Sh.  
69 *Gundlachi* Pfr.  
69 *incerta* Pfr.  
69 *nemorulina* Petit.  
69 *Bullimus virgulatus* Fer.  
69 *fraterculus* Fer.  
69 *Guadalupensis* Brug.  
70 *Stenogyra subula* Pfr.  
70 *octonoides* Ad.  
70 *Goodalli* Mull.  
70 *Swiftiana* Pfr.  
70 *octona* Chems.  
70 *Achatina subtilis* Pfr.  
70 *Gundlachi* Pfr.  
70 *Spiraxis ejuncida* Sh.  
71 *Pupa servilis* Gld. [Pfr.]  
71 *Macroceramus microdon*  
71 *Cylindrella pallida* Guild.  
71 *Succinea approximans* Sh.  
71 *Cyclostoma* (Megal.) *antillarum* Sowb.

Pa.

- 71 *Cyclostoma* (*Chondropoma*) *Newcombianum* Ad.  
71 *Helicina subfusca* Mke.  
72 *foveata* Pfr.  
72 var. *rubella*.  
72 *Truncatella subcylindrica*  
72 *pulchella* Pfr. [Gray.]  
72 *clathrus* Lowe.  
72 *Planorbis decipiens* Ad.?  
72 *circumlineatus* Sh.  
72 *Physa Sowerbyana* D'Orb.  
72 *striata* D'Orb.  
72 *Ancylus obscurus* Hald.  
73 *Amnicola crystallina* Pfr.  
*Paludestrina coronata* Pfr.  
73 *Neritina virginea* Linn.  
73 *meleagris* Lam.  
73 *viridis* Lam.  
73 *Melampus conformis* Brug.  
73 *monilis* Lam.  
73 *nitens* Lam.  
73 *Pedipes quadridens* Pfr.  
73 *Odostomia* (*Tornatellina*) *Cubensis* Pfr.

[Most of the above species are also said to inhabit Porto Rico.—W. G. B.]

- 74 **Bland.**—Note on the geographical distribution of the Terrestrial Mollusks which inhabit the Island of St. Thomas, West Indies: by T. BLAND.

[The following species are named.—W. G. B.]—

- 74 *Helix vortex*.  
74 *Gundlachi*.  
74 *nemorulina*.  
74 *euclasta*.  
74 *incerta*.  
74 *notabilis*.

- 74 *Bullimus virgulatus*.  
74 *Guadalupensis* Brug.  
74 *fraterculus*.  
74 *Achatina Gundlachi*.  
74 *Spiraxis*? *ejuncida*.  
74 *Pupa servilis*.

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Page.		Page.
74	<b>Macroceramus</b> <i>microdon</i> .	74 <b>Cyclostoma</b> <i>Newcombi-</i>
74	<b>Cylindrella</b> <i>pallida</i> .	<b>anum</b> .
74	<b>Cyclostoma</b> <i>Antillarum</i> .	74 <b>Helicina</b> <i>subfusca</i> .
		74 <b>foveata</b> .

- 75 **Bland**.—On the absorption of parts of the internal structure of their Shells by the animals of *Stoastoma*, *Luclidella*, *Trochatella*, *Helicina*, and *Proserpina*: by T. BLAND.

[A list of the species examined is given.—W. G. B.]

76	<b>Helicina</b> <i>maxima</i> <i>Sowb.</i>	76 <b>Stoastoma</b> <i>pisum</i> <i>Ad.</i>
76	<b>albolabris</b> <i>Ad.</i>	76 <b>Proserpina</b> <i>pulchra</i> <i>Ad.</i>
76	<b>palliata</b> <i>Ad.</i>	76 <b>nitida</b> <i>Sowb.</i>
76	<b>Hollandi</b> <i>Ad.</i>	76 <b>pisum</b> <i>Ad.</i>
76	<b>neritella</b> <i>Lam.</i>	76 <b>globulosa</b> <i>D'Orb.</i>
76	<b>Luclidella</b> <i>aureola</i> <i>Gray.</i>	76 <b>depressa</b> <i>D'Orb.</i>
76	<b>Trochatella</b> <i>Tankervillei</i>	76 <b>bidentata</b> <i>D'Orb.</i>
76	<b>pulchella</b> <i>Gray.</i> [ <i>Gray.</i> ]	

- 77 **Bland**.—On *Proserpina opalina* *C. B. Ad.*, and *Helix Proserpinula* *Pfr.*: by T. BLAND.

78	<b>Helix</b> <i>infortunata</i> <i>Bland.</i>	<i>H. margarita</i> <i>Pfr.</i>
	<b><i>hyalina</i></b> <i>Ad.</i>	<i>Odontostoma opalinum</i> <i>Pfr.</i>
	<b><i>opalina</i></b> <i>Ad.</i>	<i>Proserpina opalina</i> <i>Pfr.</i>

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- 131 **J. H. Redfield**.—(Vide p. 240.)

- 131 i 7 **Cyclostoma inornatum** *Redf.* Guadeloupe.

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- 142 **Newcomb**.—Descriptions of new species of *Achatinella*: by W. NEWCOMB, M. D.

142	<b>Achatinella</b> <i>zebra</i> <i>Newc.</i>	Kaui.
143	<b>humilis</b> <i>Newc.</i>	Kalai, Molokai.
143	<b>petricola</b> <i>Newc.</i>	Molokai.
144	<b>fusoides</b> <i>Newc.</i>	Kaui.
144	<b>pusilla</b> <i>Newc.</i>	Ranai.
145	<b>Dwightii</b> <i>Newc.</i>	Molokai.
146	<b>Remyi</b> <i>Newc.</i>	Ranai.
147	<b><i>Wheatleyi</i></b> <i>Newc.</i> = <i>A. vidua</i> <i>Pfr.</i>	
147	<b><i>oviformis</i></b> <i>Newc.</i> = <i>A. Sowerbyana</i> <i>Pfr.</i>	

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 Pa. Pl. Fig.
- 147            **Bland.**—Notes on—
- 147            Certain Terrestrial Mollusks which inhabit the West Indies: by T. BLAND.
- 147            On the occurrence of *Pupa bicolor* Hutton, in the Island of St. Thomas.
- 148            On the animal of *Proserpina*.
- 150            On the structure of the axis of the shell of *Cylindrella*.
- 150 v 19       **Cylindrella elatior.**
- 150                   *tenera* C. B. Ad.
- 151                   *tenella* C. B. Ad.
- 151 v 16       ***Agnesiiana* C. B. Ad.**
- 151 v 17       ***pruinosa* Mor.**
- 151 v 18       ***strangulata* Poey.**
- 151                   ***Oviedolana* D'Orb.**
- 151            ***Proserpina opalina.***
- 151            **Bland.**—Corrections and additional facts, especially as to the habitat of sundry species.
- 151            ***Helix Cassaquiensis* Newc.**       Demarara.
- 152                   *ocognata* Fer.                        Jamaica.
- 152                   *conspersula* Pfr.                     Jamaica.
- 152                   *cornu-militare* L.                    Dominican Republic.
- 152                   *formosa* Fer.                         Antigua.
- 152                   *orbiculata* Fer.                     Sta. Lucia.
- 152                   *Pallasiana* Pfr.                     Bonin Island?
- 153                   *penicillata* Gld. = ***H. Cubensis* Pfr.**
- 153                   ***Sagraiana* D'Orb.**                 Mts. betw. Guajaibon
- 153                   *similaris* Fer.                     Barbadoes. [& Rangel.
- 153            ***Bullimus aulacostylus* Pfr.**       Sta. Lucia, Trinidad,
- B. lentiginosus* Redf.                [Demarara.
- 154            ***Cylindrella tricolor* Pfr.**        Jamaica.
- C. Maugeri* (var.) *raphinina* Chitty.
- 154            ***Cyclostoma versicolor* Pfr.**       Jamaica.
- 154                   *rufilabrum* Beck.                    St. Croix.
- C. bilabre* Mke.
- 154            ***Beaulianum* Petit.**                 Guadalupe.
- C. inornatum* Redf.



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- | Pa. | Pl. | Fig.  |   |                 |
|-----|-----|-------|---|-----------------|
| 155 |     |       | <b>Chitty.</b> —Descriptions of two new species of <i>Cylindrella</i> , from Jamaica, West Indies: by the Hon. E. CHITTY, &c. |                 |
| 155 | v   | 1, 2  | <b>Cylindrella megahella</b> Chitty.  | Hanover Parish. |
| 156 | v   | 3, 4  | <b>amethystina</b> Chitty.  | Hanover Parish. |
| 156 |     |       | <b>amethystina</b> Chitty (var.) <b>cerina</b> .  |                 |
| 156 |     |       | <b>Baquileana</b> Chitty.   | Jamaica.        |
|     |     |       | <i>C. Adamsiana</i> Chitty.   |                 |
| 156 |     |       | <b>Leptinaria</b> ——— ?   |                 |
| 157 |     |       | <b>Haines.</b> —Descriptions of five new species of Terrestrial Shells from Siam: by WILLIAM A. HAINES.                       |                 |
| 157 | v   | 12-15 | <b>Cylostoma Housel</b> Haines.   | Siam.           |
| 157 | v   | 9-11  | <b>Myersii</b> Haines.  | Siam.           |
| 158 | v   | 5-8   | <b>distortum</b> Haines.  | Siam.           |
| 158 |     |       | <b>Vitrina Siamensis</b> Haines.  | Siam.           |
| 158 |     |       | <b>Helix distincta</b> Pfr.   | Siam.           |

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- | Pa. | Pl. | Fig. |   |  |
|-----|-----|------|---|--|
| 173 |     |      | <b>Gulick.</b> —Descriptions of new species of <i>Achatinella</i> from the Hawaiian Islands: by J. T. GULICK. |  |
|     |     |      | [The exact localities are given.—W. G. B.]  |  |
| 173 | vi  | 1    | <b>Achatinella leucocochla</b> Gulick.  |  |
| 174 | vi  | 2    | <b>resinula</b> Gulick.   |  |
| 175 | vi  | 3    | <b>lagena</b> Gulick.   |  |
| 176 | vi  | 4    | <b>lacrima</b> Gulick.  |  |
| 177 | vi  | 5    | <b>oostulata</b> Gulick.  |  |
| 178 | vi  | 6    | <b>striatella</b> Gulick.   |  |
| 179 | vi  | 7    | <b>marginata</b> Gulick.  |  |
| 180 | vi  | 8    | <b>fuscula</b> Gulick.  |  |
| 181 | vi  | 9    | <b>fumida</b> Gulick.   |  |
| 182 | vi  | 10   | <b>gummea</b> Gulick.   |  |
| 183 | vi  | 11   | <b>fragilis</b> Gulick.   |  |
| 184 | vi  | 12   | <b>triticea</b> Gulick.   |  |
| 185 | vi  | 13   | <b>granifera</b> Gulick.  |  |
| 186 | vi  | 14   | <b>crystallina</b> Gulick.  |  |
| 187 | vi  | 15   | <b>saxatilis</b> Gulick.  |  |
| 188 | vi  | 16   | <b>exilis</b> Gulick.   |  |
| 189 | vi  | 17   | <b>petlla</b> Gulick.   |  |
| 190 | vi  | 18   | <b>octogyrata</b> Gulick.   |  |
| 191 | vi  | 19   | <b>subula</b> Gulick.   |  |
| 192 | vi  | 20   | <b>turrita</b> Gulick.  |  |

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193	vi	21	<b>Achatinella terebralis</b> <i>Gulick.</i>
194	vi	22	<b>stiria</b> <i>Gulick.</i>
194	vi	23	<b>vitrea</b> <i>Gulick.</i>
195	vi	24	<b>parvula</b> <i>Gulick.</i>
196	vi	25	<b>platystyla</b> <i>Gulick.</i>
197	vi	26	<b>peza</b> <i>Gulick.</i>
198	vi	27	<b>lactea</b> <i>Gulick.</i>
199	vi	28 <sup>a, b</sup>	<b>eburnea</b> <i>Gulick.</i>
200	vii	29	<b>ampulla</b> <i>Gulick.</i>
201	vii	30	<b>fasciata</b> <i>Gulick.</i>
202	vii	31 <sup>a, b</sup>	<b>Baileyana</b> <i>Gulick.</i>
204	vii	32	<b>pyramidalis</b> <i>Gulick.</i>
205	vii	33	<b>undosa</b> <i>Gulick.</i>
207	vii	34 <sup>a, b</sup>	<b>induta</b> <i>Gulick.</i>
209	vii	35	<b>lignaria</b> <i>Gulick.</i>
210	vii	36	<b>crocea</b> <i>Gulick.</i>
211	vii	37	<b>ustulata</b> <i>Gulick.</i>
212	vii	38	<b>talpina</b> <i>Gulick.</i>
213	vii	39	<b>plumbea</b> <i>Gulick.</i>
214	vii	40	<b>phacozona</b> <i>Gulick.</i>
217	vii	41	<b>plumata</b> <i>Gulick.</i>
220	vii	42 <sup>a, b</sup>	<b>diversa</b> <i>Gulick.</i>
222	vii	43	<b>varia</b> <i>Gulick.</i>
			<b>A. vulpina</b> <i>Rve. non Fer.</i>
224	vii	44 <sup>a, b</sup>	<b>versipellis</b> <i>Gulick.</i>
225	vii	45	<b>cucumis</b> <i>Gulick.</i>
226	vii	46	<b>trilineata</b> <i>Gulick.</i>
227	vii	47	<b>analoga</b> <i>Gulick.</i>
229	vii	48	<b>papyracea</b> <i>Gulick.</i>
230	vii	49	<b>juncea</b> <i>Gulick.</i>
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231	viii	50	<b>delta</b> <i>Gulick.</i>
232	viii	51	<b>glauca</b> <i>Gulick.</i>
233	viii	52	<b>herbacea</b> <i>Gulick.</i>
234	viii	53	<b>cæsia</b> <i>Gulick.</i>
234	viii	54	<b>concidens</b> <i>Gulick.</i>
235	viii	55	<b>formosa</b> <i>Gulick.</i>
236	viii	56	<b>dimorpha</b> <i>Gulick.</i>
237	viii	57	<b>albescens</b> <i>Gulick.</i>
238	viii	58	<b>zonata</b> <i>Gulick.</i>
239	viii	59	<b>contracta</b> <i>Gulick.</i>
240	viii	60	<b>cognata</b> <i>Gulick.</i>
241	viii	61	<b>scitula</b> <i>Gulick.</i>
241	viii	62	<b>cervina</b> <i>Gulick.</i>

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Pa.	Pl.	Fig.		
243			Notes on—	
				<i>A. vulpina</i> Fer.
				<i>A. producta</i> Rve.
				<i>A. bilineata</i> Rve.
243				<i>A. vulpina</i> Rve. = <i>A. varia</i> Gulick.
243				<i>A. livida</i> Swains.
243				<i>A. Stewartii</i> Green.
243				<i>A. venulata</i> Newc. = <i>A. vulpina</i> .
243				<i>A. hybrida</i> Newc. = <i>A. vulpina</i> .
243				<i>A. venulata</i> (var. <i>a</i> ) = <i>A. Stewartii</i> .
243				<i>A. Johnsonii</i> Newc. = <i>A. Byronii</i> .
243				<i>A. apulstra</i> Newc. = <i>A. Byronii</i> .
243				<i>A. pulcherrima</i> = <i>A. Byronii</i> .
243				<i>A. livida</i> Swains.
244				<i>A. lorata</i> Rve. = <i>pulcherrima</i> Swains, &c. &c.
245	viii	63		<i>Achatinella obliqua</i> Gulick.
246	viii	64		<i>oomorpha</i> Gulick.
247	viii	65		<i>spadicea</i> Gulick.
248	viii	66		<i>corrugata</i> Gulick.
249	viii	67		<i>rotunda</i> Gulick.
250	viii	68		<i>torrida</i> Gulick.
251	viii	69		<i>nympha</i> Gulick.
252	viii	70 <sup>a, b</sup>		<i>limbata</i> Gulick.
253	viii	71		<i>bulbosa</i> Gulick.
254	viii	72		<i>mahogani</i> Gulick.
254	viii	73		<i>virens</i> Gulick.
255			Gill.—Description of a new species of the genus <i>Cypræa</i> Linn. : by THEO. GILL.	
256	ix	1-3	<i>Cypræa notata</i> Gill.	East Indies.
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	Page.			
303			Newcomb.—Synopsis of the genus <i>Achatinella</i> : by W. Newcomb, M. D.	
305	<i>Achatinella textilis</i> Fer.			Page. <i>A. diversa</i> Gulick.
	<i>A. ventulus</i> Rve.			<i>varia</i> Gulick.
	<i>microstoma</i> Gould.			<i>analoga</i> Gulick.
	<i>ventulus</i> Pfr.			<i>virens</i> Gulick.
306	<i>ventulus</i> Fer.			<i>livida</i> Pfr. not Swains.
	<i>A. melampoides</i> Pfr.			
306	<i>vulpina</i> Fer.		307 <i>Achatinella gravida</i> Fer.	<i>A. suffusa</i> Rve.
	<i>A. Stewartii</i> Green.			<i>Dimondi</i> C. B. Ad.

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307	<b>Achatinella spirizona</b> Fer.		<i>A. ustulata</i> Gulick.
	<i>A. acuta</i> Swains.	311	<b>Achatinella picta</b> Migh.
307	<b>turritella</b> Fer.		<i>A. bulbosa</i> Gulick.
	<i>A. Oahuensis</i> Green.		<i>picta</i> Pfr.
	<i>inornata</i> Migh.	311	<b>venusta</b> Migh.
307	<b>decora</b> Fer.	312	<b>oitrina</b> Migh.
	<i>A. vestita</i> Migh.	312	<b>plicata</b> Migh.
	<i>perversa</i> Pfr. not Sw.		<i>Bulimus liratus</i> Pfr.
	<i>simulans</i> Pfr. [Rve.	312	<b>nubilosa</b> Migh.
	<i>lugubris</i> (var.) Pfr. not	312	<b>virgulata</b> Migh.
	<i>vittata</i> Pfr. not Rve.		<i>A. Rohri</i> Pfr.
308	<b>tristis</b> Fer.		<i>Bulimus Rohri</i> Pfr.
	<i>A. fuliginosa</i> Gould.		<i>A. insignis</i> Migh.
308	<b>lugubris</b> Chemn.	312	<b>viridans</b> Migh.
	<i>A. pica</i> Swains.		<i>A. radiata</i> Pfr.
	<i>Monodonta semintgra</i> Lk.		<i>radiata</i> Rve.
	<i>Bulimus seminiger</i> Mks.		<i>rutila</i> Pfr. not Newc.
308	<b>luteola</b> Fer.		<i>sub-virens</i> Pfr. not
308	<b>pulcherrima</b> Swains.		Newc.
	<i>A. mahogani</i> Gulick.		<i>decipiens</i> Pfr. not
	<i>napus</i> Pfr.	313	<b>mustellina</b> Migh. [Newc.
309	<b>perversa</b> Swains.		<i>A. lorata</i> (var. $\beta$ ) Pfr.
	<i>A. concidens</i> Gulick.	313	<b>cingula</b> Migh.
	<i>cinnamomea</i> Pfr.	313	<b>radiata</b> Gould.
309	<b>rosea</b> Swains.		<i>A. dubia</i> Pfr. not Newc.
309	<b>livida</b> Swains. [Migh.		<i>grisea</i> Pfr. not Newc.
	<i>A. viridans</i> Rve. not		<i>Partula radiata</i> Pfr.
	<i>Reevei</i> C. B. Ad.		<i>Bulimus Gouldi</i> Pfr.
	<i>Emersonii</i> Newc.		<i>Partula densilineata</i> Rve.
	<i>glauca</i> Gulick.	314	<b>rubens</b> Gould.
310	<b>bulimoides</b> Swains.		<i>A. rubens</i> Rve.
	<i>A. obliqua</i> Gulick.		<i>Mastersii</i> Pfr.
	<i>comorpha</i> Gulick.	314	<b>nucleola</b> Gould.
	<i>bulimoides</i> Rve.		<i>A. brevis</i> Pfr.
310	<b>lorata</b> Fer.	315	<b>striatula</b> Gould.
	<i>A. pallida</i> Nutt.		<i>A. clara</i> Pfr.
	<i>alba</i> Nutt.		<i>clara</i> Rve.
	<i>ventrosa</i> (var.) Pfr.	315	<b>cerealis</b> Gould.
311	<b>marmorata</b> Gould.	315	<b>acuminata</b> Gould.
	<i>A. Adamsi</i> Newc.	315	<b>guttula</b> Gould.
	<i>Adamsii</i> Newc.		<i>A. gummea</i> Gulick.
	<i>perdix</i> Pfr.		<i>fragilis</i> Gulick.
	<i>induta</i> Gulick.	315	<b>vittata</b> Rve. [Fer.
	<i>plumbea</i> Gulick.		<i>A. decora</i> (var.) Pfr. not

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	<i>A. globosa</i> Pfr.	320	<b>Achatinella taeniolata</b> Pfr.
315	<b>Achatinella producta</b> Rve.		<i>A. rubiginosa</i> Newo.
	<i>A. venulata</i> Newo.	320	<b>variegata</b> Pfr.
	<i>hybrida</i> Newo.		<i>A. rubens</i> (var.) Rve.
	<i>vulpina</i> Gulick not		<i>decepta</i> C. B. Ad.
316	<b>simulans</b> Rve. [Fer.	320	<b>cornocla</b> Pfr.
	<i>A. decora</i> Pfr. not Fer.	320	<b>aptycha</b> Pfr.
316	<b>bella</b> Rve.	320	<b>pulchella</b> Pfr.
316	<b>colorata</b> Rve.	320	<b>cinerosa</b> Pfr.
	<i>A. ustulata</i> Pfr.	320	<b>multicolor</b> Pfr.
316	<b>bilineata</b> Rve. [Sw.		<i>A. oviformis</i> Newo.
	<i>A. pulcherrima</i> Rve. not	320	<b>Swainsoni?</b> Pfr.
	<i>Byronii</i> Rve. not Gr.	320	<b>Sowerbyana</b> Pfr.
	<i>pulcherrima</i> Pfr. not	320	<b>dollus</b> Pfr.
317	<b>abbreviata</b> Rve. [Sw.	320	<b>rudis</b> Pfr.
	<i>A. nivosa</i> Newo.		<i>A. chlorotica</i> Pfr.
	<i>Clementina</i> Pfr.		<i>albida</i> Pfr.
317	<b>castanea</b> Rve.	321	<b>fusiformis</b> Pfr.
317	<b>olivacea</b> Rve.	321	<b>gracilis</b> Pfr.
	<i>A. prasinus</i> Rve.		<i>A. elevata</i> Newo.
317	<b>adusta</b> Rve.		<i>subula</i> Gulick.
317	<b>perdix</b> Rve.	321	<b>crassidentata</b> Pfr.
	<i>A. pyramidalis</i> Gulick.	321	<b>nobilis</b> Pfr.
	<i>undosa</i> Gulick.	321	<b>Hanleyana</b> Pfr.
318	<b>baoca</b> Rve.	321	<b>zebrina</b> Pfr.
318	<b>straminea</b> Rve.	322	<b>extincta</b> Pfr.
	<i>A. gravida</i> (var.) Fer.	322	<b>obclavata</b> Pfr.
318	<b>Byronii</b> Gray.		<i>A. octograta</i> Gulick.
	<i>A. melanastoma</i> Newo.		<i>turrita</i> Gulick.
	<i>limbata</i> Gulick. [Sw.	322	<b>luciosa</b> Pfr.
	<i>pulcherrima</i> Rve. not	322	<b>Grayana</b> Pfr.
	<i>pulcherrima</i> Pfr. not	322	<b>glutinosa</b> Pfr.
319	<b>ellipsoidea</b> Gould. [Sw.		<i>A. lacrima</i> Gulick.
	<i>A. pupoidea</i> Newo.	322	<b>callosa</b> Pfr.
319	<b>magna</b> C. B. Ad.	322	<b>dimidiata</b> Pfr.
	<i>A. Baldwinii</i> Newo.	322	<b>semicoostata</b> Pfr.
319	<b>modesta</b> C. B. Ad.		<i>A. costulata</i> Gulick.
319	<b>Tappaniana</b> C. B. Ad.	322	<b>teres</b> Pfr.
	<i>A. eburnea</i> Gulick.	322	<b>oryza</b> Pfr.
	<i>ampulla</i> Gulick.		<i>A. triticea</i> Gulick.
	<i>fasciata</i> Gulick.	322	<b>margarita</b> Pfr.
319	<b>Migheisiana</b> Pfr.	322	<b>sulcata</b> Pfr.
319	<b>pyramis</b> Pfr.	322	<b>auricula</b> Fer.
	<i>A. leucochila</i> Gulick.		<i>Purpura Dumartroyi</i> Soul.

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Page.		Page.	
	<i>Auricula Owaihiensis</i>		<i>A. intermedia</i> Pfr. not Newc.
	Chamisso.		
	<i>Bulimus auricula</i> Pfr.	325	<i>Achatinella intermedia</i>
	<i>Auricula sinistrorsa</i>		<i>A. rudis</i> Pfr. [Newc.
	Chamisso.	325	<i>casta</i> Newc.
	<i>Bulimus armatus</i> Migh.		<i>A. dimorpha</i> Gulick.
	<i>Tornatellina Owaihiensis</i>		<i>cognata</i> Gulick (var.)
323	<i>Achatinella lurida</i> Pfr. [Pfr.		<i>junceae</i> Gulick.
	<i>Tornatellina castanea</i>	326	<i>violacea</i> Newc.
323	<i>obeliscus</i> Pfr. [Pfr.	326	<i>sanguinea</i> Newc.
	<i>Balea Newcombi</i> Pfr.		<i>A. Ferussaci</i> Pfr.
323	<i>amcena</i> Pfr.	326	<i>porphyrea</i> Newc.
323	<i>oerea</i> Pfr.		<i>A. grossa</i> Pfr.
323	<i>Chamissoi</i> Pfr.	326	<i>gigantea</i> Newc.
323	<i>Newcombiana</i> Pfr.	326	<i>subvirens</i> Newc.
	<i>A. Pfeifferi</i> Newc.		<i>A. viridans</i> Pfr. not Migh.
	<i>Bulimus Newcombianus</i>	326	<i>rutilla</i> Newc.
323	<i>Cumingi</i> Newc. [Pfr.		<i>A. viridans</i> Pfr. not Migh.
	<i>A. gemma</i> Pfr.		<i>macrostoma</i> Pfr.
323	<i>farclmen</i> Pfr.	327	<i>ampla</i> Newc.
323	<i>Dunkeri</i> Cuming.	327	<i>rugosa</i> Newc.
323	<i>Gouldi</i> Newc.	327	<i>multilineata</i> Newc.
	<i>A. talpina</i> Gulick.		<i>A. monacha</i> Pfr.
324	<i>ovata</i> Newc.	327	<i>glabra</i> Newc.
	<i>A. candida</i> Pfr.		<i>A. platystyla</i> Gulick.
	<i>Fritcki</i> Pfr.		<i>elegans</i> Pfr. not Newc.
	<i>vidua</i> Pfr.	327	<i>elegans</i> Newc.
	<i>cervina</i> Gulick.	327	<i>tessellata</i> Newc.
	<i>rotunda</i> Gulick.	327	<i>sordida</i> Newc.
	<i>spadicea</i> Gulick.		<i>A. Swainsoni</i> ? Pfr.
	<i>pheosona</i> ? Gulick.	327	<i>fumosa</i> Newc.
	<i>lorata</i> Evc. not Fer.	327	<i>lineolata</i> Newc.
324	<i>rufa</i> Newc.	327	<i>nitida</i> Newc.
324	<i>fulgens</i> Newc.		<i>A. crystallina</i> Gulick.
	<i>A. diversa</i> Gulick (var i.)	327	<i>crassilabrum</i> Newc.
324	<i>splendida</i> Newc.	327	<i>cornea</i> Newc.
	<i>A. Baileyana</i> Gulick.	328	<i>labiata</i> Newc.
325	<i>Redfieldi</i> Newc.		<i>A. dentata</i> Pfr.
325	<i>cestus</i> Newc.		<i>lagena</i> Gulick.
325	<i>Swiftii</i> Newc.	328	<i>vitrea</i> Newc.
	<i>A. valida</i> Pfr.		<i>A. fumida</i> Gulick.
	<i>apicata</i> Newc.	328	<i>affinis</i> Newc.
325	<i>turgida</i> Newc.		<i>A. genicostoma</i> Pfr.
325	<i>cylindrica</i> Newc.		

## [Annals of New York Lyceum.]

Page.		Page.	
328	<b>Achatinella elongata</b> Newc.		<i>A. rubens</i> (var.) Pfr. not Gld.
	<i>A. acuta</i> Newc.	332	<b>Achatinella decipiens</b> Newc.
328	<b>polita</b> Newc.		<i>A. viridans</i> Pfr. not Migh.
329	<b>soror</b> Newc.		<i>planospira</i> Pfr.
329	<b>obesa</b> Newc.		<i>cuneus</i> Pfr.
329	<b>terebra</b> Newc.		<i>torrida</i> Gulick.
	<i>A. attenuata</i> Pfr.		<i>corrugata</i> Gulick.
	<i>lignaria</i> Gulick.		<i>scitula</i> Gulick.
	<i>crocea</i> Gulick.		<i>herbacea</i> Gulick.
329	<b>melanosis</b> Newc.	333	<b>variabilis</b> Newc.
329	<b>curta</b> Newc.		<i>A. fulva</i> Newc.
	<i>A. delta</i> Gulick.		<i>lactea</i> Gulick.
	<i>albescens</i> Gulick.	333	<b>crassa</b> Newc.
	<i>contracta</i> Gulick.	333	<b>Buddii</b> Newc.
330	<b>fusca</b> Newc.		<i>A. pera</i> Gulick.
	<i>A. striatella</i> Gulick.		<i>plumata</i> Gulick.
	<i>petila</i> Gulick.		<i>papyracea</i> Gulick.
330	<b>recta</b> Newc.		<i>caesia</i> Gulick.
	<i>A. nympa</i> Gulick.	333	<b>biplicata</b> Newc.
330	<b>grana</b> Newc.	333	<b>semicarinata</b> Newc.
	<i>A. granifera</i> Gulick.	334	<b>moesta</b> Newc.
	<i>vitriola</i> Gulick.	334	<b>obscura</b> Newc.
	<i>parvula</i> Gulick.	334	<b>concinna</b> Newc.
330	<b>porcellana</b> Newc.	334	<b>undulata</b> Newc.
330	<b>mucronata</b> Newc.	334	<b>nigra</b> Newc.
330	<b>Johnsoni</b> Newc.	334	<b>tetrao</b> Newc.
	<i>A. aplustre</i> Newc.	334	<b>succinota</b> Newc.
330	<b>assimilis</b> Newc.		<i>A. marginata</i> Gulick.
330	<b>reticulata</b> Newc.	334	<b>zebra</b> Newc.
	<i>A. transversalis</i> Pfr.	334	<b>humilis</b> Newc.
	<i>consersa</i> Pfr.	334	<b>petricola</b> Newc.
331	<b>ornata</b> Newc.		<i>A. umbilicata</i> Pfr.
331	<b>albo-labris</b> Newc.	334	<b>fuscoidea</b> Newc.
	<i>A. nucleola</i> Rve. not Gld.	334	<b>pusilla</b> Newc.
331	<b>solitaria</b> Newc.		<i>A. pulla</i> Newc.
331	<b>germana</b> Newc.	334	<b>Dwightii</b> Newc.
331	<b>flavescens</b> Newc.	334	<b>Remyi</b> Newc.
331	<b>Helena</b> Newc.	334	<b>Maulensis</b> Newc.
331	<b>physa</b> Newc.	334	<b>obtusa</b> Newc.
331	<b>dubla</b> Newc.	335	<b>resinula</b> Gulick.
	<i>A. radiata</i> Pfr. not Gld.	335	<b>saxatilis</b> Gulick.
332	<b>grisea</b> Newc.	335	<b>terebialis</b> Gulick.
	<i>A. radiata</i> Pfr.	335	<b>exilis</b> Gulick.
332	<b>Mastersi</b> Newc.		

[Annals of New York Lyceum.]

Page.		Page.	
335	<i>Achatinella stirlia</i> Gulick.	335	<i>Achatinella trilineata</i> Gul.
335	<i>versipellis</i> Gulick.		<i>A. zonata</i> Gulick (var.)
335	<i>ovucumis</i> Gulick.	335	<i>fuscula</i> Gulick.
		335	<i>formosa</i> Gulick.

Vol. vii, No. 1-3. March, 1839.

94 **Prime.**—List of known species of *Pisidium*, with their synonymy:  
by TEMPLE PRIME.

[The American species have already been given on p. 274.—W. G. B.]

95	<b><i>Pisidium amnicum</i></b> Jen. Eur.		<i>Pisidium Jenynsi</i> McGil.
	<i>Tellina amnica</i> Müll.		<i>vitreum</i> Pfr.
	<i>striata</i> Schrot.		<i>nitidum</i> Jen.
	<i>rivalis</i> Mat. & Rack.		<i>limosum</i> Gas.
	<i>Cyclas palustris</i> Drap.		<i>iratianum</i> Dup.
	<i>Cardium amnicum</i> Mat.		<i>thermale</i> Dup.
	<i>Cyclas obliqua</i> Lam.		<i>caliculatum</i> Dup.
	<i>Pisidium obliquum</i> Pfr.		<i>sinuatum</i> Bgt.
	<i>Cyclas amnica</i> Turt.		<i>lenticulare</i> Dup.
	<i>Pera fluviatilis</i> Leach.		<i>rotundum</i> Ces.
	<i>Henslowiana</i> Leach.		<i>globulosum</i> Gas.
	<i>Pisidium instatum</i> Meg.		<i>planum</i> Pfr.
	<i>Cyclas Pfeifferi</i> Meg.		<i>Stabileit</i> Schm.
	<i>Pisidium palustre</i> Nils.	97	<b><i>Pisidium conicum</i></b> Baud. Fr.
	<i>Pfeifferi</i> Zeigl.	98	<b><i>duplicatum</i></b> Pfr. Germ.
	<i>Cordula amnica</i> Leach.		<i>Cyclas duplicata</i> Pfr.
	<i>Pisidium Grateloupianum</i>	98	<b><i>Ferroense</i></b> Morch.
	Norm.		Fer. Isl.
	<i>intermedium</i> Gas.	98	<b><i>fuscum</i></b> Parr. Germ.
	<i>sulcatum</i> Parr.	98	<b><i>Gassiesianum</i></b> Dup. Fr.
96	<b><i>Canariense</i></b> Shutl. Can.		<i>P. Normandianum</i> Dup.
96	<b><i>casertanum</i></b> Bgt. Eur.		<i>tetragonum</i> Norm.
	<i>Cardium casertanum</i> Poli.		<i>Baudanianum</i> Ces.
	<i>amnicum</i> Mont.	98	<b><i>Henslowianum</i></b> Jen. Eur.
	<i>Cyclas vitrea</i> Risso.		<i>Pera Henslowiana</i> Leach.
	<i>Pera pulchella</i> Leach.		<i>Cyclas acuta</i> Pfr.
	<i>Pisidium pulchellum</i> Jen.		<i>Tellina Henslowiana</i> Shep.
	<i>australe</i> Phil.		<i>Cyclas appendiculata</i>
	<i>cinereum</i> Ald.		Turt.
	<i>Lumsternianum</i> Forb.		<i>Pisidium acutum</i> Pfr.
	<i>Cyclas pulchella</i> Hanl.		<i>Pera appendiculata</i>
	<i>cinerea</i> Hanl.		Leach.
	<i>lenticularis</i> Norm.		<i>Pisidium Jayanum</i> Gas.
	<i>Pisidium Joannis</i> McGil.		<i>Dupuyanum</i> Norm.



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Page.		Page.	
	<i>Pisidium pallidum</i> Gas.		<i>Pisidium minimum</i> Stud.
	<i>Bonnafouzianum</i>		<i>Cyclas ovalis</i> Nils.
	Ces.		<i>Pisidium ovale</i> Pet.
	<i>Jaudouinianum</i> Gas.	101	<i>Pisidium pusillum</i> Jen. Eur.
	<i>pictum</i> Ces.		<i>Tellina pusilla</i> Gmel.
100	<i>Pisidium nitidum</i> Jen. Eur.		<i>Cyclas fontinalis</i> (pars.)
	<i>Cyclas pusilla</i> Turt.		<i>P. fontinale</i> Pfr. [Dup.
	nitida Hanl.		<i>Cyclas pusilla</i> Turt.
	<i>P. incertum</i> Norm.		<i>Englesa Henslowiana</i>
100	<i>obtusale</i> Pfr. Eur.		Leach.
	<i>Cyclas obtusalis</i> Lam.		<i>P. roseum</i> Scholtz.
	minima Stud.	101	<i>Reclusianum</i> Bgt. Eur.
	gibba Ald.	102	<i>semen</i> Mke. Oceanica.
	<i>Pera gibba</i> Leach.	102	<i>supinum</i> Schmidt.

**Lea.**—Notice of *Mya nodulosa* Wood: by ISAAC LEA. (From Proc. Phila. Acad. Nat. Sciences, vol. vi, p. 368. June, 1853.)

[Omitted accidentally from p. 552 of Bibliography.—W. G. B.]

Page.		Page.	
368	<i>Prisodon truncatus</i> Schum.		<i>Castalia Duprei</i> Recl.
	<i>Castalia ambigua</i> Lam.	368	<i>Prisodon nodulosus</i> Lea.
368	<i>Duprei</i> Lea.		<i>Mya nodulosa</i> Wood.

## GENERAL WORKS.

## SCHOOL BOOKS, &amp;c.

There have been many works on general Natural History published in America, especially for the use of schools. They contain no descriptions, but often figures of species, though they rarely refer to American species. I have therefore quoted but the following, which will serve as specimens of the class. The list may be increased from Carus' and Engelmann's Bibliography. I have consulted all the works quoted by them.

**Goodrich.**—Illustrated Natural History—Mollusca, vol. ii, p. 487. New York, 1859: by SAMUEL G. GOODRICH. A figure of *Unio spinosus* is given.

**Gould.**—A System of Natural History, containing scientific and popular descriptions of various animals: by A. A. GOULD, M. D. Boston, 1853.

**Pilkington.**—Natural History; abridged for the use of Schools: by MRS. PILKINGTON. Philadelphia, 1818.

[Chapter VIII, p. 267, treats of Shell-Fish of the Testaceous kind.—W. G. B.]

**Mayo, C.**—Conchology for Schools. New York.

**Goodrich, S. G.**—A Pictorial Natural History for the use of Schools. Boston, 1851.

**Wyatt, Thos.**—A Synopsis of Natural History, embracing the Natural History of Animals, with human and general Animal Physiology, Botany, Vegetable Physiology, and Geology. Translated from the French, with additions, and arranged as a text-book: by THOMAS WYATT. With 49 plates. Philadelphia, 1849.

[This is a translation of Lemonnier.—W. G. B.]

#### ENCYCLOPEDIAS, &c.

I have already quoted the American editions of Nicholson's Encyclopedia (p. 254), and the Iconographic Encyclopedia (p. 248). There are American editions of several other foreign Cyclopedias containing articles on general Conchology (usually under that title). The American Encyclopedias also treat of Conchology in the same general manner. Among these works are the following:—

**Ree.**—REE'S ENCYCLOPEDIA. Philadelphia, 1810-24. Conchology, vol. ix, p. 470.

**EDINBURGH ENCYCLOPEDIA.** Philadelphia, 1832. Conchology, vol. vi, pt. 2, pp. 677-730.

**ENCYCLOPEDIA AMERICANA.** Philadelphia, 1835. Conchology.

**Hodge.**—APPLETON'S NEW AMERICAN ENCYCLOPEDIA. New York, 1855-63. Mollusca, &c. Vol. v contains the article Conchology: by JAMES THACHER HODGE. 1859.

**Brande's DICTIONARY OF ARTS AND SCIENCES.** New York, 1844. Article Conchology, &c.

**Gregory's DICTIONARY OF ARTS AND SCIENCES.** Philadelphia, 1815, 1816.

**Conrad.**—Remarks on the fossil Shells from Chili, collected by Lieut. Gilliss, with descriptions of the species: by T. A. CONRAD. (From the U. S. Naval Astronomical Expedition, vol. ii, p. 282. Washington, 1855. The full title will be found on p. 521.)

[The following is the only recent species described.—W. G. B.]

Page.

286      *Saxicava Caldarensis* *Conr.*

**PART I.**  
**AMERICAN AUTHORS.**

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**C.—WRITINGS ON FOREIGN SPECIES AND IN  
FOREIGN WORKS.**

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# BIBLIOGRAPHY

OF

## NORTH AMERICAN CONCHOLOGY.

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IN order to complete the list of the Conchological writings of American authors, it becomes necessary to quote the titles of a few papers on foreign species published by them in foreign periodicals. Besides those given below, there have occurred in foreign works many criticisms, notices, translations, &c., of papers published by American authors in American books. Some few of these have been referred to in the previous pages of my Bibliography. Many more will be given in Part II, especially in the quotations from the *Isis*, *Journal de Conchyliologie*, *Zeitschrift für Malakozologie*, *Malakozoolische Blätter*, *Bulletin Zoologique*, *Bibliographie Conchyliologique*, and *Archiv für Naturgeschichte*.

**Rafinesque.**—(See former pp. 403, 488.)

**Lea.**—Description of a new genus of the family *Melaniana*, and of many new species of the genus *Melania*, chiefly collected by Hugh Cuming, Esq., during his Zoological Voyage to the East, and now first described: by ISAAC LEA and HENRY CAREY LEA. (From the Proc. of the Zoological Society of London, vol. xviii, No. 212, p. 179, 1850; also distributed in a separate pamphlet, and published in *Annals of Nat. Hist.*, Second Series, vol. ix, p. 58.) And

**Lea.**—Description of five new species of Anodonta, collected by Hugh Cuming, Esq., in the East Indies. (From same as last, p. 197, and Ann. of Nat. Hist., Second Series, vol. viii, p. 493.)

**Goold.**—On the Nautilus umbilicatus of Lister : by AUG. A. GOULD, M. D. (From Proc. Zoological Soc. of London, 1857, p. 20 ; and Ann. and Magazine of Nat. History, Second Series, vol. xx, No. 115, p. 57. July, 1857.)

Zool. Soc. Page.	MAG. N. H. Page.	
21	59	<b>Nautilus umbilicatus</b> List.
21	59	<b>scrobiculatus</b> Solander.
		<i>N. pompilius</i> (var. ♂) Gmel.
		<i>crassus, umbilicatus</i> Chemn.
		<i>umbilicatus</i> Knorr.

**Newcomb, W., M. D.**—Descriptions of seventy-nine new species of Achatinella, *Swains.*, a genus of Pulmoniferous Mollusks, in the collection of Hugh Cuming. With three plates. (From Proc. Zool. Soc. London, 1853, p. 128.)

**Newcomb, W., M. D.**—Abstract of descriptions of some animals of Achatinella, and other remarks. (From same, 1854, p. 310.)

**Lesueur, C. A.**—Mémoire sur quelques nouvelles espèces d'animaux Mollusques et Radiaires de la Méditerranée, in Nouv. Bull. Scienc. Soc. Philom., tom. iii, 1813, pp. 281–285.

**Lesueur, C. A.**—Histoire du genre Firola : par FRC. PERON et C. A. LESUEUR. (From Annales du Muséum, xv, 1810, pp. 70–75.)

**Carpenter, P. P.**—Descriptions of new species of Shells collected by Mr. T. Bridges in the Bay of Panama and its vicinity. (From Proc. Zool. Soc. London, 1856, p. 159.)

[Other papers are contained in the Proc. Zool. Soc. London, and will be quoted from thence.—W. G. B.]

**Adams, Bland, Lea.**—In the *Journal de Conchyliologie* are notices and translations of several of the papers of Messrs. ADAMS, BLAND and LEA. They will be quoted in the Second Part of the Bibliography.

**Agassiz, L.**—Mémoires sur les Moules de Mollusques vivants et fossiles. (From. *Mém. de la Soc. des Sciences Naturelles de Neuchatel*, tome ii, 1839.)

**Agassiz, L.**—Notice sur le *Mya alba* de Porto Rico. (From same as last, vol. ii, 1839.)

**Agassiz, L.**—Note sur le genre *Pyrula* de Lamarck (in *Bull. de la Soc. Sc. Nat. Neuchatel*, tome i, 1844, p. 69).

**Agassiz, L.**—Notice sur les Moules du Musée de Neuchatel (in *Bull. Soc. Imp. Natur. Moscow*, 1839, p. 415).





**APPENDIX I.**

**TO**

**PART I., SECTION A., AMERICAN WRITINGS  
ON AMERICAN SPECIES.**

**( 615 )**



# BIBLIOGRAPHY

OF

## NORTH AMERICAN CONCHOLOGY.

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**Read.**—Catalogue of the Marine, Fluvial, and Terrestrial Shells of Massachusetts: by WILLIAM READ, M. D. Lynn, Nov. 1845.

[No descriptions are given.—W. G. B.]

No.	No.
22 <b>Teredo navalis</b> Linn.	38 <b>Pandora trilineata</b> Say.
23 <b>Pholas costata</b> Linn.	<i>P. nasuta</i> Sowb.
24 <i>crispata</i> Linn.	39 <b>Osteodesma hyalina</b> Couth.
25 <b>Solen ensis</b> Linn.	<i>Mya hyalina</i> Conr.
26 <i>viridis</i> Say.	40 <b>Anatina papyratia</b> Say.
27 <b>Solecortus Caribæus</b> Conr.	41 <b>Cochlodesma Leana</b> Couth.
<i>Solen Caribæus</i> Lam.	<i>Anatina Leana</i> Conr.
28 <i>fragilis</i> Conr.	42 <b>Thracia Conradi</b> Couth.
<i>Solen fragilis</i> Pult.	<i>T. declivis</i> Conr.
<i>centralis</i> Say.	43 <b>Mactra solidissima</b> Chemn.
29 <b>Machæra costatus</b> Gould.	<i>M. gigantea</i> Lam.
<i>Solecortus costatus</i> Say.	44 <i>ovalis</i> Gould.
30 <i>nitida</i> Gould.	<i>M. similis</i> Gray.
31 <b>Solemya borealis</b> Totten.	45 <i>lateralis</i> Say.
32 <i>velum</i> Say.	46 <b>Cumingia tellinoides</b> Conr.
33 <b>Panopæa arctica</b> Gould.	<i>Mactra tellinoides</i> Conr.
<i>Glycymeris arctica</i> Lam.	47 <b>Mesodesma arctata</b> Gould.
34 <b>Glycymeris alliqua</b> Lam.	<i>Mactra arctata</i> Conr.
35 <b>Mya arenaria</b> Linn.	48 <i>Jaressii</i> De Joannis.
<i>M. mercenaria</i> Say.	49 <b>Montacuta bidentata</b> Gld.
36 <i>truncata</i> Linn.	50 <b>Kella rubra</b> Turt.
37 <b>Corbula contracta</b> Say.	51 <b>Saxioava distorta</b> Say.

No.	No.
52	<b>Petricola pholadiformis</b>
	<i>P. fornicata</i> Say. [Lam.
53	<b>dactylus</b> Sowb.
54	<b>Sanguinolaria fusca</b> Conr.
	<i>Psammobia fusca</i> Say.
55	<b>sordida</b> Gould.
	<i>Tellina sordida</i> Couth.
56	<b>Tellina tenera</b> Say.
57	<b>tenta</b> Say.
58	<b>calcaria.</b>
59	<b>Lucina radula</b> Gould.
	<i>Tellina radula</i> Mont.
60	<b>divaricata</b> Lam.
61	<b>flexuosa</b> Gould.
	<i>Cryptodon flexuosa</i> Turt.
62	<b>Cyolas dubia</b> Say.
63	<b>elegans</b> Ad.
64	<b>partumela</b> Say.
65	<b>similis</b> Say.
66	<b>Astarte castanea</b> Say.
	<i>Crassina castanea</i> Lam.
67	<b>lactea</b> Br. & Sowb.
68	<b>quadrans</b> Gould.
69	<b>sulcata</b> Fleming.
	<i>Venus sulcata</i> Mont.
	<i>Crassina sulcata</i> Lam.
	<i>A. Danmoniensis</i> Sowb.
70	<b>Cyprina islandica</b> Lam.
	<i>Venus islandica</i> Linn.
71	<b>Cytherea convexa</b> Say.
72	<b>Venus mercenaria</b> Linn.
73	<b>notata</b> Say.
74	<b>præparca</b> (var.) Say.
75	<b>fluctuosa</b> Gould.
76	<b>gemma</b> Totten. [Chemn.
77	<b>Cardium Groenlandicum</b>
78	<b>islandicum</b> Linn.
	<i>C. pubescens</i> Couth.
79	<b>Mortoni</b> Conr.
80	<b>pinnulatum</b> Conr.
81	<b>Cardita borealis</b> Conr.
82	<b>Arca pexata</b> Say.
83	<b>transversa</b> Say.
84	<b>Nucula limatula</b> Say.
85	<b>Nucula minuta</b> Turt.
	<i>N. tenuisulcata</i> Couth.
86	<b>myalis</b> Couth.
87	<b>navicularis</b> Couth.
88	<b>proxima</b> Say.
89	<b>sapotilla</b> Gould.
90	<b>tenuis</b> Turt.
91	<b>thracisformis</b> Storer.
92	<b>Unio complanatus</b> Lea.
	<i>U. purpureus</i> Say.
93	<b>cariosus</b> Say.
94	<b>nasutus</b> Say.
95	<b>radiatus</b> Barnes.
96	<b>ochraceus</b> Say.
97	<b>Alasmodon arcuata</b> Barnes.
98	<b>marginata</b> Say.
99	<b>undulata</b> Barnes.
	<i>Unio undulata</i> Say.
100	<b>Anodon fluviatilis</b> Lea.
	<i>A. cataracta</i> Say.
101	<b>implicata</b> Say.
102	<b>undulata</b> Say.
103	<b>Mytilus edulis</b> Linn.
104	var. <b>pellucidus</b> Pennant.
105	<b>Modiola barbata</b> Lam.
106	<b>discors</b> Flem.
107	<b>discrepans</b> Gould.
	<i>Mytilus discrepans</i> Mont.
108	<b>glandula</b> Totten.
109	<b>modiolus</b> Turt.
	<i>M. papuana</i> Lam.
110	<b>nexa</b> Gould.
111	<b>pectinula</b> Gould.
112	<b>plicatula</b> Lam.
113	<b>Pecten concentricus</b> Say.
114	<b>islandicus</b> Chemn.
	<i>P. Pealii</i> Conr.
115	<b>Magellanicus</b> Lam.
116	<b>Ostrea borealis</b> Lam.
	<i>O. edulis</i> Linn.
117	<b>virginiana</b> List.
118	<b>Anomia aculeata</b> Gmel.
119	<b>squamula</b> Linn.
120	<b>ephippium</b> Linn.

No.		No.	
121	<i>Terebratula caput-ser-</i> <i>pentis</i> Lam.	159	<i>Helix monodon</i> Rack.
	<i>T. septentrionalis</i> Couth.		<i>H. fraterna</i> Say.
122	<i>pallata</i> Gmel.	160	<i>hirsuta</i> Say.
123	<i>Chiton albus</i> Mont.		<i>H. fraterna</i> Wood.
	<i>C. sagrinatus</i> Couth.	161	<i>pulchella</i> Müll.
124	<i>apiculatus</i> Say.		<i>H. minuta</i> Say.
125	<i>annus</i> Sowb.	162	<i>striatella</i> Anth.
	<i>C. Emersonii</i> Couth.	163	<i>thyroidus</i> Say.
126	<i>fulminatus</i> Couth.	164	<i>tridentata</i> Say.
127	<i>marginatus</i> Pennant.	165	<i>Pupa contracta</i> Say.
128	<i>ruber</i> Lowe.	166	<i>curvidens</i> Gould.
129	<i>Patella candida</i> Couth.	167	<i>exigua</i> Say.
130	<i>Lottia alveus</i> Gould.	168	<i>fallax</i> Say.
131	<i>testudinalis</i> Gould.	169	<i>millium</i> Gould.
	<i>Patella amana</i> Say.	170	<i>modesta</i> Say.
132	— (sp. ind.)	171	<i>simplex</i> Gould.
133	<i>Dentalium dentale</i> Linn.	172	<i>Tappaniana</i> Ward.
134	<i>Cemoria noachina</i> Gould.	173	<i>Bulinus lubricus</i> Brug.
	<i>Patella noachina</i> Linn.	174	<i>Succinea avara</i> Say.
135	<i>Crepidula convexa</i> Say.	175	<i>campestris</i> Say.
136	<i>fornicata</i> Lam.	176	<i>ovalis</i> Say.
137	<i>glauca</i> Say.	177	<i>Auricula bidentata</i> Gould.
138	<i>plana</i> Say.		<i>Melampus bidentatus</i> Say.
139	<i>Bulla canaliculata</i> Gould	178	<i>denticulata</i> Gould.
140	<i>debilis</i> Gould.	179	<i>Planorbis armigerus</i> Say.
141	<i>Gouldii</i> Couth.	180	<i>bicarinatus</i> Say.
142	<i>hiemalis</i> Couth.	181	<i>campanulatus</i> Say.
143	<i>insculpta</i> Totten.	182	<i>deflectus</i> Say.
144	<i>lineolata</i> Couth.	183	<i>dilatatus</i> Gould.
145	<i>obstriata</i> Gould.	184	<i>elevatus</i> Ad.
146	<i>oryza</i> Totten.	185	<i>exacutus</i> Say.
147	<i>triticea</i> Couth.	186	<i>hirsutus</i> Gould.
148	<i>Helix albo-labris</i> Say.	187	<i>lentus</i> Say.
149	<i>alternata</i> Say.	188	<i>parvus</i> Say.
	<i>H. scabra</i> Lam.	189	<i>trivolvis</i> Say.
150	<i>arborea</i> Say.	190	<i>virens</i> .
151	<i>cellaria</i> Müll.	191	<i>Physa anollaria</i> Say.
152	<i>ohersina</i> Say.	192	<i>elongata</i> Say.
153	<i>electrina</i> Gould.	193	<i>heterostropha</i> Say.
154	<i>hortensis</i> Müll.	194	<i>Limnæa columella</i> Say.
155	<i>subglobosa</i> (var.) Binn.	195	<i>ohalybea</i> (var.) Gould.
156	<i>lineata</i> Say.	196	<i>catascopium</i> Say.
157	<i>indentata</i> Say.	197	<i>elodes</i> Say.
158	<i>labyrinthica</i> Say.	198	<i>desidiosus</i> Say.

- | No. |   | No. |   |
|-----|---|-----|---|
| 199 | <b>Limnæa macrostoma</b> Say.<br><i>L. acuminata</i> Ad.                | 232 | <b>Margarita undulata</b> Sowb.<br><i>Turbo incarnatus</i> Couth. |
| 200 | <b>modicellus</b> Say.  | 233 | <b>Littorina palliata</b> Gould.<br><i>Turbo palliatus</i> Say.   |
| 201 | <b>umbilicata</b> Ad.   | 234 | <b>rudis</b> Gould.<br><i>Turbo obligatus</i> Say.                |
| 202 | <b>Ancylus fuscus</b> Ad.   | 235 | <b>tenebrosa</b> Gould.<br><i>Turbo vestitus</i> Say.             |
| 203 | <b>rivularis</b> Say.   | 236 | <b>Lacuna neritoidea</b> Gould.                                   |
| 204 | <b>Valvata pupoidea</b> Gould.  | 237 | <b>vinota</b> Gould.<br><i>L. pertusa</i> Conr.                   |
| 205 | <b>tricarinata</b> Say.   | 238 | <b>fusca</b> (var.) Ad.   |
| 206 | <b>Paludina decisa</b> Say.   | 239 | <b>Cingula aculeus</b> Gould.<br><i>Turbo aculeus</i> Ad.         |
| 207 | <b>Amnicola porata</b> Say.   | 240 | <b>minuta</b> Gould.<br><i>Turbo minuta</i> Totten.               |
| 208 | <b>Natica canaliculata</b> Gould.                                       | 241 | <b>Turritella erosa</b> Couth.                                    |
| 209 | <b>clausa</b> Brod.<br><i>N. consolidata</i> Couth.                     | 242 | <b>interrupta</b> Totten.   |
| 210 | <b>duplicata</b> Say.   | 243 | <b>Pyramis striatula</b> Couth.                                   |
| 211 | <b>flava</b> Gould.   | 244 | <b>Odostomia exigua</b> Gould.<br><i>Jaminiæ exigua</i> Couth.    |
| 212 | <b>heros</b> Say.   | 245 | <b>fusca</b> Gould.   |
| 213 | <b>immaculata</b> Totten.   | 246 | <b>producta</b> Gould.<br><i>Jaminiæ producta</i> Ad.             |
| 214 | <b>pusilla</b> Say.   | 247 | <b>seminuda</b> Gould.  |
| 215 | <b>triseriata</b> Say.  | 248 | <b>trifida</b> Gould.<br><i>Acteon trifidus</i> Totten.           |
| 216 | — (sp. ind.)  | 249 | <b>Cerithium Emersonii</b> Ad.                                    |
| 217 | <b>Janthina fragilis</b> Brug.  | 250 | <b>Greenii</b> Ad.  |
| 218 | <b>Velutina lævigata</b> Gould.<br><i>V. rupicola</i> Conr.             | 251 | <b>nigrocinctum</b> Ad.   |
| 219 | <b>zonata</b> Gould.  | 252 | <b>terebrale</b> Ad.  |
| 220 | <b>Sigaretus hallotoideus</b> Lam.<br><i>Oxynoe glabra</i> Couth.       | 253 | <b>Sayi</b> Mke.<br><i>C. reticulatum</i> Totten.                 |
| 221 | <b>Tornatilla puncto-striata</b><br>Ad.                                 | 254 | <b>Pleurotoma decussata</b> Cth.                                  |
| 222 | <b>Vermetus lumbricallis</b> Lam.                                       | 255 | <b>bicarinata</b> Couth.  |
| 223 | <b>Skenea serpuloides</b> Flem.<br><i>Delphinula serpuloides</i><br>Ad. | 256 | <b>plicata</b> Ad.  |
| 224 | <b>Soalaria Groenlandica</b> Gld.<br><i>S. subulata</i> Couth.          | 257 | <b>Cancellaria Couthouyi</b> Joy.<br><i>C. buccinoides</i> Couth. |
| 225 | <b>lineata</b> Say.   | 258 | <b>Fusus bamffius</b> Flem.                                       |
| 226 | <b>multistriata</b> Say.  | 259 | <b>decemcostatus</b> Say.   |
| 227 | <b>nov-angliæ</b> Couth.  | 260 | <b>harpularius</b> Couth.   |
| 228 | <b>Margarita cinerea</b> Gould.<br><i>Turbo cinereus</i> Couth.         | 261 | <b>islandicus</b> Mart.<br><i>F. corneus</i> Say.                 |
| 229 | <b>argentea</b> Gould.  | 262 | <b>muriceatus</b> Brown.  |
| 230 | <b>arctica</b> Leach.<br><i>Turbo inflatus</i> Totten.                  |     |   |
| 231 | <b>obscura</b> Gould.<br><i>Turbo obscurus</i> Couth.                   |     |   |

No.		No.	
263	<i>Fusus rufus</i> Gould.	277	<i>Buccinum ciliatum</i> Gould.
264	<i>pygmaeus</i> (var.) Gould.		<i>B. ventricosum</i> Kien.
265	<i>scalariformis</i> Gould.	278	<i>Donovani</i> Gray.
266	<i>tornatus</i> Gould.	279	<i>lunatum</i> Ad.
267	<i>turricula</i> Flem.	280	<i>obsoletum</i> Ad.
268	<i>ventricosus</i> Gray.	281	<i>pilcosum</i> Mke.
269	<i>Pyrula canaliculata</i> Brug.		<i>Fusus cinereus</i> Say.
270	<i>carica</i> Brug.	282	<i>rosaceum</i> Gould.
271	<i>Ranella caudata</i> Say.	283	<i>trivittatum</i> Ad.
272	<i>Rostellaria occidentalis</i>		<i>Nassa trivittata</i> Say.
	Beck.	284	<i>undatum</i> Linn.
273	<i>Trichotropis borealis</i> Sowb.	285	<i>vibex</i> Ad.
	<i>T. costellatus</i> Couth.		<i>Nassa vibex</i> Say.
274	<i>Purpura lapillus</i> Lam.	286	<i>Columbella avara</i> Say.
275	<i>imbrioata</i> (var.) Lam.	287	<i>Spirula Peronii</i> Lam.
276	<i>bizonalis</i> (var.) Lam.		

**Hubbard.**—Catalogue of Terrestrial and Fluvial Shells of Ohio, in the collection of EBER W. HUBBARD, Elyria, Ohio.

[No descriptions are given.—W. G. B.]

No.		No.	
1	<i>Amnicola Cincinnatiensis</i>	13	<i>Cycas dubia</i> Say.
	Anth.	14	<i>partumeia</i> Say.
	<i>Paludina Cincinnatiensis</i>		<i>C. cornea</i> (var.) Lam.
2	<i>integra</i> Say. [Anth.	15	<i>similis</i> Say.
	<i>Melania integra</i> Say.		<i>C. sulcata</i> Lam.
3	<i>lapidaria</i> Say.	16	<i>Helix albolabris</i> Say.
	<i>Cyclostoma lapidaria</i> Say.	17	<i>alternata</i> Say.
4	<i>lustrica</i> Say.		<i>H. scabra</i> Lam.
	<i>Paludina lustrica</i> Say.		<i>radiata</i> Gmel.
5	<i>Sayana</i> Anth.	18	<i>appressa</i> Say.
	<i>Cyclostoma Sayana</i> Anth.		<i>H. linguifera</i> Fer.
	<i>Cincinnatiensis</i> Lea.	19	<i>arborea</i> Say.
6	<i>Anculosa costata</i> Anth.	20	<i>clausa</i> Say.
7	<i>isogona</i> Say.		<i>H. Mitchelliana</i> Lea.
	<i>Melania isogona</i> Say.	21	<i>chersina</i> Say.
	<i>Paludina pallida</i> Lea.	22	<i>concava</i> Say.
8	<i>prærorsa</i> Say. [Lea.		<i>H. planorboides</i> Fer.
	<i>Melania Cincinnatiensis</i>		<i>Vancouverensis</i> Lea.
9	<i>Ancylus diaphanus</i> Hald.	23	<i>electrina</i> Gould.
10	<i>rivularis</i> Say.	24	<i>elevata</i> Say.
11	<i>Bullimus lubricus</i> Brug.		<i>H. Knoxvilliana</i> Fer.
12	<i>vermetus</i> Anth.	25	<i>fallax</i> Say.



- |     |  |     |   |
|-----|--|-----|---|
| No. |  | No. |   |
| 26  | <b>Helix fraterna</b> Say.<br><i>H. monodon</i> Wood.<br><i>convexa</i> Desh.  | 49  | <b>Helix suppressa</b> Say.                                 |
| 27  | <b>fuliginosa</b> Griffith.<br><i>H. lucubrata</i> Say.<br><i>levigata</i> Fer.  | 50  | <b>tridentata</b> Say.                                      |
| 28  | <b>hirsuta</b> Say.<br><i>H. fraterna</i> Wood.  | 51  | <b>thyroidus</b> Say.                                       |
| 29  | <b>indentata</b> Say.  | 52  | <b>zaleta</b> Say.  |
| 30  | <b>inflecta</b> Say.<br><i>H. clausa</i> Fer.  | 53  | <b>Limnea caperata</b> Say.                                 |
| 31  | <b>inornata</b> Say.   | 54  | <b>desidiosa</b> Say.<br><i>L. curta</i> Lea.               |
| 32  | <b>interna</b> Say.<br><i>H. pomum</i> Adami Green.  | 55  | <b>elodes</b> Say.  |
| 33  | <b>intertexta</b> Binney.  | 56  | <b>humilis</b> Say.   |
| 34  | <b>labyrinthica</b> Say.   | 57  | <b>reflexa</b> Say.<br><i>L. exilis</i> Lea.                |
| 35  | <b>ligera</b> Say.<br><i>H. Rafinesquea</i> Fer.<br><i>Wardiana</i> Lea.   | 58  | <b>jugularis</b> Say.<br><i>L. speciosa</i> Rossmasler.     |
| 36  | <b>limatula</b> Ward.  | 59  | <b>umbrosa</b> Say.   |
| 37  | <b>lineata</b> Say.  | 59½ | <b>columella</b> Say.                                       |
| 38  | <b>minuscula</b> Binney.<br><i>H. minutissima</i> Lea.   | 60  | <b>Melania canaliculata</b> Say.                            |
| 39  | <b>monodon</b> Rack.<br><i>H. Leaii</i> Ward.  | 61  | <b>conica</b> Say.  |
| 40  | <b>multilineata</b> Say.   | 62  | <b>depygis</b> Say.   |
| 41  | <b>palliatu</b> Say.<br><i>H. obstricta</i> Say.<br><i>denotata</i> Say.<br><i>Carocolla Helicoides</i><br>Lea.<br><i>Carocolla Carolinensis</i><br>Lea. | 63  | <b>exilis</b> Hold.<br><i>M. Kirtlandianus</i> Lea.         |
| 42  | <b>Pennsylvanica</b> Green.  | 64  | <b>gracilis</b> Anth.                                       |
| 43  | <b>perspectiva</b> Say.<br><i>H. parvula</i> Desh.   | 65  | <b>Sayii</b> Wood.  |
| 44  | <b>profunda</b> Say.<br><i>H. Richardi</i> Lam.  | 66  | <b>excurata</b> Conr.                                       |
| 45  | <b>pulchella</b> Müll.<br><i>H. minuta</i> Say.<br><i>paludosa</i> Mont.   | 67  | <b>undulata</b> Say.  |
| 46  | <b>Sayii</b> Binney.<br><i>H. diodonta</i> Say.  | 68  | <b>varicosa</b> Ward.                                       |
| 47  | <b>solitaria</b> Say.  | 69  | <b>Paludina heterostropha</b>                               |
| 48  | <b>striatella</b> Anth.  | 70  | <b>integra</b> Say. [Kirt.                                  |
|     |  | 71  | <b>ponderosa</b> Say.                                       |
|     |  | 72  | <b>subcarinata</b> Say.<br><i>P. carinata</i> Valenciennes. |
|     |  | 73  | <b>Physa ancillaria</b> Say.<br><i>P. Sayii</i> Tappan.     |
|     |  | 74  | <b>elongata</b> Say.  |
|     |  | 76  | <b>gyrini</b> Say.<br><i>P. elliptica</i> Lea.              |
|     |  | 77  | <b>heterostropha</b> Say.<br><i>P. aurea</i> Lea.           |
|     |  | 78  | <b>Planorbis armigerus</b> Say.                             |
|     |  | 79  | <b>bicarinatus</b> Say.                                     |
|     |  | 80  | <b>campanulatus</b> Say.                                    |
|     |  | 81  | <b>concavus</b> Anth.                                       |
|     |  | 82  | <b>corpulentus</b> Say.                                     |
|     |  | 83  | <b>deflectus</b> Say.                                       |
|     |  | 84  | <b>dilatatus</b> Gould.<br><i>P. lens</i> Lea.              |

No.		No.	
85	<b>Planorbis exacutus</b> Say. <i>Paludina hyalina</i> Lea.		<i>U. ellipticus</i> Barnes. <i>venustus?</i> Lea.
86	<b>lentus</b> Say.	107	<b>Unio cylindricus</b> Say. <i>U. solenoides</i> Raf. <i>naviformis</i> Lam.
87	<b>parvus</b> Say.		
88	<b>trivolvis</b> Say.	108	<b>cyphius</b> Raf. <i>U. zæopus</i> Green.
89	<b>Pupa albilabris</b> Ward. <i>Cyclostoma marginata</i>	109	<b>dilatatus</b> Raf. <i>U. gibbosus</i> Barnes. <i>nasutus</i> Lam. <i>arctior</i> Lea.
90	<b>armifera</b> Say. [Say.]	110	<b>flavus</b> Raf. <i>U. rubiginosus</i> Lea. <i>trigonus</i> Lea.
91	<b>contracta</b> Say.	111	<b>fasciolus</b> Raf. <i>U. multiradiatus</i> Lea.
92	<b>corticaria</b> Say.	112	<b>fasciolaris</b> Raf. <i>U. phaseolus</i> Hild. <i>planulatus</i> Lea. <i>camelus</i> Lea.
93	<b>exigua</b> Say.		
94	<b>modesta</b> Say.	113	<b>flexuosus</b> Raf. <i>U. foliatus</i> Hild.
95	<b>Succinea campertris</b> Say. <i>S. retusa</i> Lea.	114	<b>fragilis</b> Raf. <i>U. gracilis</i> Barnes.
96	<b>avara</b> Say.	115	<b>fragosus</b> Conr.
97	<b>ovalis</b> Say.	116	<b>gibbosus</b> Raf. <i>U. torulosus</i> Raf. <i>perplexus</i> Lea. <i>Rangianus</i> Lea. <i>capsæformis</i> Lea.
98	<b>Valvata sincera</b> Say.	117	<b>heros</b> Say. <i>U. undulatus</i> Say. <i>multiplicatus</i> Lea.
99	<b>trioarinata</b> Say. <i>V. bicarinata</i> Lea.	118	<b>lappillus</b> Say. <i>U. fabalis</i> Lea. <i>Troostensis</i> Lea.
100	<b>Unio alasmodontinus</b> Barn. <i>U. compressus</i> Lea.	119	<b>leptodon</b> Raf. <i>U. planus</i> Barnes. <i>velum</i> Say. <i>purpurascens</i> Swains. <i>tenuissimus</i> Lea.
101	<b>alatus</b> Say. <i>U. megapterus</i> Raf.	120	<b>lineolatus</b> Raf. <i>U. depressus</i> Raf. <i>securis</i> Lea.
102	<b>bullatus</b> Raf. <i>U. prasinus</i> Conr. <i>Schoolcraftensis</i> Lea. <i>pustulosus</i> Lea. <i>Dorfeuillanus</i> Lea.		
103	<b>cardium</b> Raf. <i>U. ventricosus</i> Barnes. <i>occidens</i> Lea. <i>sub-ovatus</i> Lea. <i>dolabræformis</i> Lea.		
104	<b>ocatriosus</b> Say. <i>U. varicosus</i> Lea.		
105	<b>cuneatus</b> Raf. <i>U. modioliformis</i> Say. <i>scalenius</i> Raf. <i>patulus</i> Lea. <i>decisus?</i> Lea.		
106	<b>crassus</b> Say. <i>U. ellipsarius</i> Raf. <i>fasciatus</i> Raf. <i>ligamentina</i> Lam. <i>carinatus</i> Barnes.		

- | No.  |   | No. |  |
|------|---|-----|--|
| 121  | <b>Unio metanevrus Raf.</b><br><i>U. nodosus</i> Barnes.  | 136 | <b>Unio politus Say.</b><br><i>U. subrotundus</i> Lea.   |
| 122  | <b>monodontus Say.</b><br><i>U. soleniformis</i> Lea.   |     | <i>Kirtlandianus</i> Lea.  |
| 123  | <b>mytiloides Raf.</b><br><i>U. cordatus</i> Raf.<br><i>undatus</i> Barnes.<br><i>pyramidatus</i> Lea.<br><i>solidus</i> Lea. | 137 | <b>quadrulus Raf.</b><br><i>U. rugosus</i> Barnes.<br><i>lachrymosus</i> Lea.<br><i>asperrimus</i> Lea.        |
| 124  | <b>nasutus Say.</b><br><i>U. rostratus</i> Val.<br><i>Vaughanianus</i> ? Lea.   | 138 | <b>rubrum Raf.</b><br><i>U. coccineus</i> Hild.<br><i>Gouldianus</i> Ward.<br><i>catillus</i> Conr.            |
| 125  | <b>nervosus Raf.</b><br><i>U. donaciformis</i> Lea.<br><i>sig-zag</i> Lea.  | 139 | <b>reflexus Raf.</b><br><i>U. cornutus</i> Barnes.   |
| 126  | <b>nigrum Raf.</b><br><i>U. cuneatus</i> Barnes.<br><i>gibber</i> Lea.  | 140 | <b>rectus Lam.</b><br><i>U. latissimus</i> Raf.<br><i>prolongus</i> Barnes.                                    |
| 127  | <b>nodulatus Raf.</b><br><i>U. pustulatus</i> Lea.  | 141 | <b>Sayii Ward.</b>   |
| 128  | <b>obliquatus Raf.</b><br><i>U. sulcatus</i> Lea.<br><i>ridibundus</i> Say.   | 142 | <b>siliquoideus Barnes.</b><br><i>U. inflatus</i> Barnes.<br><i>Hydianus</i> Lea.                              |
| 129  | <b>obovalis Raf.</b><br><i>U. ebenus</i> Lea.   | 143 | <b>stegarius Raf.</b><br><i>U. irroratus</i> Lea.  |
| 130  | <b>Ohioensis Raf.</b><br><i>U. levissimus</i> Lea.<br><i>inflatus</i> Lea.  | 144 | <b>striatus Raf.</b><br><i>U. Cooperianus</i> Lea.   |
| 131  | <b>olivarius Raf.</b><br><i>U. ellipsis</i> Lea.  | 145 | <b>subrostratus Say.</b><br><i>U. iris</i> Lea.  |
| 132  | <b>orbiculatus Hild.</b><br><i>U. abruptus</i> Say.   | 146 | <b>subrotundus Raf.</b><br><i>U. circulus</i> Lea.<br><i>lens</i> Lea.   |
| 133  | <b>ovatus Say.</b><br><i>U. globosus</i> Lea.<br><i>capax</i> Green.  | 147 | <b>teres Raf.</b><br><i>U. anodontoides</i> Lea.   |
| 134  | <b>parvus Barnes.</b>   | 148 | <b>torsus Raf.</b>   |
| 134½ | <b>personatus Say.</b><br><i>U. pileus</i> Lea.<br><i>plenus</i> Lea.<br><i>Sowerbianus</i> Lea.                              | 149 | <b>triquetrus Raf.</b><br><i>U. cuneatus</i> Swains.<br><i>triangularis</i> Barnes.<br><i>formosus</i> Lea.    |
| 135  | <b>plicatus Say.</b><br><i>U. variplicatus</i> Lam.<br><i>costatus</i> Raf.<br><i>Peruvianus</i> Lam.                         | 150 | <b>truncatus Raf.</b><br><i>U. elegans</i> Lea.  |
|      |   | 151 | <b>tuberculatus Raf.</b><br><i>U. tuberculosus</i> Val.<br><i>verrucosus</i> Barnes.<br><i>graniferus</i> Lea. |
|      |   | 152 | <b>undulatus Barnes.</b>   |
|      |   | 153 | <b>verrucosus Raf.</b><br><i>U. tuberculatus</i> Barnes.   |

No.		No.	
154	<b>Anodonta cataracta</b> Say.	158½	<b>Alasmodonta ambigua</b> Say.
	<i>A. exilis</i> Lea.		<i>Unio Hildrethianus</i> Lea.
	<i>salmonea</i> Lea.	159	<b>calceola</b> Lea.
	<i>Pepiniana</i> Lea.	160	<b>complanata</b> Barnes.
155	<b>Ferrusaciana</b> Lea.	161	<b>costata</b> Raf.
156	<b>grandis</b> Say.		<i>A. rugosa</i> Barnes.
	<i>A. plana</i> Lea.	162	<b>edentula</b> Say.
	<i>decora</i> Lea.		<i>Anodonta undulata</i> Say.
	<i>gigantea</i> Lea.		<i>areolata</i> ? Sw.
157	<b>imbecillis</b> Say.		<i>rugosa</i> ? Swains.
	<i>A. incerta</i> Lea.		<i>Wardiana</i> Lea.
158	<b>lata</b> Raf.		<i>pavonia</i> Lea.
	<i>Unio dehiscens</i> Say.		<i>Buchanensis</i> Lea.
	<i>oriens</i> Lea.	163	<b>truncata</b> Say.

**Say, Conrad, Toumey, Holmes, Morton, &c.—**

In the various publications which have appeared on the fossil Shells of America will be found information regarding many species supposed to be identical with recent species.

**Mrs. Sheppard**, of Woodfield, on the recent Shells which characterize Quebec and its environs. (From Transactions of the Literary and Historical Society of Quebec, vol. i, p. 188. Quebec, 1829.)

[Descriptions of genera and species are given.—W. G. B.]

Page.		Page.	
189	<b>Solen</b> ———.	195	<b>Planorbis spirorbis.</b>
190	<b>Mya arenaria.</b>	195	<i>alba</i> ?
190	<b>Venus mercenaria.</b>		<i>Helix alba</i> Linn.
191	<b>Unio sinuata.</b>	195	———.
191	<i>radiata.</i>	195	<b>Physa fontinalis.</b>
191	<i>nanca.</i>	195	<i>subopaca.</i>
192	<b>Modiola plicatula.</b>	196	<b>Lymnæa stagnalis.</b>
192	<b>Mytelus borealis.</b>	196	<i>palustris.</i>
192	<b>Ostrea canadensis.</b>	196	<b>Paludina</b> ———.
193	<b>Crepidula fornicata.</b>	196	———.
193	<b>Helix hortensis.</b>	197	<b>Natica magdalena.</b>
194	———.	197	<b>Buccinum</b> ———.
194	<b>Carocolla dubia.</b>	198	———.
194	<b>Succinea amphibia.</b>		

**Rafinesque.**—I have been unable to obtain access to two works of this author, in both of which occur descriptions of Mollusca.

**Rafinesque.**—Journal Encyclopedique de la Sicile.

**Rafinesque.**—Analyse de la Nature, ou Tableau de l'Univers et des corps organisés. Palerme, 1825.

**Jarvis, J.**—On the Tereido, or salt-water worm. (In Proc. Nat. Inst. Washington, New Series, vol. i, No. 2, 1856, pp. 60–67.)

**D'Urban.**—Catalogue of Animals and Plants collected and observed in the valley of the River Rouge and the neighboring townships, in the counties of Argenteuil and Ottawa: by Mr. W. S. M. D'URBAN, Assistant to Sir William Logan, in 1858. (From the Geological Survey of Canada. Report of Progress for the year 1858. Montreal, 1859.)

[Localities, but no descriptions, are given.—W. G. B.]

Page.		Page.	
241	<b>Tebenophorus Carolinensis</b> <i>Bosc.</i>	241	<b>Vertigo Gouldii</b> <i>Binney.</i>
241	<b>Succinea obliqua</b> <i>Say.</i>	241	<b>Pupa</b> ———.
241	<b>Helix albolabris</b> <i>Say.</i>	241	<b>Carychium exiguum</b> <i>Say.</i>
241	<b>exoleta</b> <i>Binney.</i>	241	<b>Physa heterostropha</b> <i>Say.</i>
241	<b>monodon</b> <i>Rack.</i>	241	<b>aurea</b> <i>Lea.</i>
241	<b>concava</b> <i>Say.</i>	242	<b>elliptica</b> <i>Lea.</i>
241	<b>pulchella</b> <i>Müll.</i>	242	<b>elongata</b> <i>Say.</i>
241	<b>Sayii</b> <i>Binney.</i>	242	<b>Limnæa exigua</b> <i>Lea.</i>
241	<b>labyrinthica</b> <i>Say.</i>	242	<b>galbanus</b> <i>Say.</i>
241	<b>alternata</b> <i>Say.</i>	242	<b>plicata</b> <i>Lea.</i>
241	<b>striatella</b> <i>Anth.</i>	242	<b>reflexa</b> <i>Say.</i>
241	<b>arborea</b> <i>Say.</i>	242	<b>umbilicata</b> <i>Say.</i>
241	<b>chersona</b> <i>Say.</i>	242	<b>Planorbis trivolvis</b> <i>Say.</i>
241	<b>lineata</b> <i>Say.</i>	242	<b>bicarinatus</b> <i>Say.</i>
241	<b>Bullimus marginatus</b> <i>Say.</i>	242	<b>campanulatus</b> <i>Say.</i>
241	<b>Achatina lubrica</b> <i>Müll.</i>	242	<b>parvus</b> <i>Say.</i>
		242	<b>deflectus</b> <i>Say.</i>

Page.		Page.	
242	<i>Paludina decisa</i> Say.	243	<i>Anodonta fragilis</i> Linn.
242	<i>Valvata tricoarinata</i> Say.	243	<i>Footiana</i> Lea.
242	<i>Unio complanatus</i> Lea.	243	<i>Cyclos similis</i> Say.
242	<i>Margaritana rugosa</i> Barnes.	243	<i>partumeia</i> ? Say.
242	<i>Anodonta cygnea</i> ? Linn.	243	<i>dubia</i> ? Say.
243	<i>edentula</i> Say.		

**Bell.**—Catalogue of Animals and Plants collected and observed on the southeast side of the St. Lawrence, from Quebec to Gaspé, and in the counties of Rimouski, Gaspé and Bonaventure: by Mr. ROBERT BELL, Jr., Assistant to Mr. James Richardson, Geological Explorer under Sir William Logan, in 1858. (From same as last, p. 243.)

Page.		Page.	
251	<i>Helix alternata</i> Say.	252	<i>Limnæa catascopium</i> Say.
251	<i>albolabris</i> Say.	252	<i>apacina</i> Lea.
251	<i>monodon</i> Rack.	252	<i>acuta</i> Lea.
251	<i>Sayii</i> Binney.	252	<i>umbilicata</i> Say.
251	<i>concava</i> Say.	252	<i>reflexa</i> Say.
251	<i>hortensis</i> Müll.	252	<i>pallida</i> Ad.
251	<i>arborea</i> Say.	252	<i>modicella</i> Say.
251	<i>striatella</i> Anth.	252	<i>parva</i> Lea.
251	<i>lineata</i> Say.	252	<i>decollata</i> Say.
251	<i>labyrinthica</i> Say.	252	<i>alternata</i> .
252	<i>pulchella</i> Müll.	253	<i>Planorbis trivolvis</i> Say.
252	<i>asteriscus</i> Morse.	253	<i>campanulatus</i> Say.
252	<i>chersina</i> Say.	253	<i>bicoarinatus</i> Say.
252	_____.	253	<i>parvus</i> Say.
252	<i>Succinea avara</i> Say.	253	<i>defectus</i> Say.
252	<i>ovalis</i> Gould.	253	<i>Ammicola porata</i> Say.
252	<i>obliqua</i> Say.	253	<i>Valvata tricoarinata</i> Say.
252	<i>Aohatina lubrica</i> Müll.	253	<i>humeralis</i> Say.
252	<i>Bulimus harpa</i> Say.	253	<i>sincera</i> Say.
252	<i>Vitrina pellucida</i> Dr. [Gld.]	253	<i>Fusus scalariformis</i> Gould.
252	<i>Pupa (Vertigo) simplex</i>	253	<i>gracilis</i> Alder.
252	<i>Physa heterostropha</i> Say.	253	<i>tornatus</i> Gould.
252	<i>aurea</i> Lea.	253	<i>decemcostatus</i> Say.
252	<i>elongata</i> Say.	253	<i>rufus</i> Gould.
252	<i>ancillaria</i> Say.	253	<i>Bamffus</i> Flem.
252	<i>marginata</i> Say.	253	<i>Bela cancellata</i> M. & A.
252	<i>Limnæa stagnalis</i> Linn.	253	<i>Pleurotoma bicoarinata</i> ? Couth.
252	<i>caperata</i> Say.		
252	<i>umbrosa</i> Say.	253	<i>Buccinum undatum</i> L..

Page.		Page.	
253	<b>Buccinum Donovanii</b> Gray.	254	<b>Solen ensis</b> Linn.
253	<b>Nassa trivittata</b> Say.	254	<b>Tellina proxima</b> Brown.
253	<i>obsoleta</i> Say.	254	<i>Grœnlandica</i> Beck.
253	<b>Purpura lapillus</b> Lam.	254	<b>Maetra ovalis</b> Gould.
253	<b>Trichotropis borealis</b> Sowb.	254	<b>Mesodesma arctatum</b> Gld.
253	<b>Velutina halloides</b> Müll.	254	<b>Venus gemma</b> Totten.
253	<b>Lamellaria perspicua</b> Loven.	254	<b>Aphrodite Grœnlandica</b> St.
253	<b>Natica heros</b> Say.	254	<b>Cardium Islandicum</b> Linn.
	<i>N. ampullaria</i> Lam.	254	<b>Cardita borealis</b> Conr.
253	<i>clausa</i> Br. & Sowb.	254	<b>Astarte sulcata</b> Costa.
253	<i>triseriata</i> Say.	254	<i>elliptica</i> Brown.
253	<i>flava</i> Gould?	254	<i>compressa</i> Mont.
253	<i>helicoides</i> Johnston.	254	<b>Lucina flexuosa</b> Gould.
253	<b>Chemnitzia</b> ———.	254	<b>Lima subauriculata</b> Mont.
253	<b>Aphorhais occidentalis</b>	254	<b>Mytilus edulis</b> Linn.
253	<b>Rissoa minuta</b> St. [Gould.	255	<b>Modiola discors</b> Linn.
253	<b>Lacuna vinota</b> Turt.	255	<i>plicatula</i> Lam.
253	<b>Littorina littoralis</b> F. & H.	255	<i>glandula</i> Totten.
	<i>L. palliata</i> Gould.	255	<i>pectinula</i> Gould.
254	<i>rudis</i> Gould.	255	<i>nexa</i> Gould.
	<i>L. tenebrosa</i> Gould.	255	<b>Nucula myalis</b> Couth.
254	<b>Margarita cinerea</b> Gould.	255	<i>tenuis</i> Turt.
254	<i>undulata</i> Sowb.	255	<b>Pecten Magellanicus</b> Lam.
254	<i>helicina</i> Müll.	255	<i>Islandicus</i> Müll.
254	<b>Skenea costulata</b> F. & H.	255	<b>Anomia ehippium</b> Linn.
254	<b>Diadora Noachina</b> Gray.	255	<b>Unio complanatus</b> Lea.
254	<b>Crepidula fornicata</b> Lam.	255	<b>Margaritana arcuata</b> Barnes.
254	<b>Acmæsa testudinalis</b> Hanl.	255	<b>Anodonta subcylindracea</b>
254	<i>cœca</i> .	255	———— [Lea.
254	<b>Chiton marmoreus</b> Fabr.	255	<i>edentula</i> Say.
254	<b>Pholas crispata</b> Linn.	255	<i>fragilis</i> Lam.
254	<b>Saxicava rugosa</b> Lam.	255	<i>implicata</i> Say.
254	<b>Mya arenaria</b> Linn.	255	<b>Cyclas similis</b> Say.
254	<i>truncata</i> Linn.	255	<i>dubia</i> ? Say.
254	<b>Glycimeris siliqua</b> Lam.	255	————.
254	<b>Osteodesma hyalina</b> Couth.	255	<b>Hippothyris psittacea</b> King.
254	<b>Machæra costata</b> Gould.		

**Russell.**—Retrospect of some of the Shells found in Essex County: by Rev. JOHN LEWIS RUSSELL. (From Journal of the Essex County Natural History Society. Third and last number. Salem, Mass., 1852.)

[No descriptions are given.—W. G. B.]

Page.		Page.	
110	<i>Anodon fluviatilis</i> Lea.	112	<i>Mesodeama arcotata</i> .
110	<i>implicatus</i> Say.	112	<i>Modiola discrepans</i> Mont.
111	<i>Astarte castanea</i> Say.	112	<i>modiolus</i> Turt.
111	<i>Anomia ephippium</i> Linn.	112	<i>plicatula</i> Lam.
111	<i>Ancylus rivularis</i> Say.	112	<i>Mytilus edulis</i> Linn.
111	<i>Auricula bidentata</i> .		<i>M. pellucidus</i> Penn.
111	<i>Buccinum obsoletum</i> Ad.	112	<i>pellucidus</i> .
111	<i>plicosum</i> Mke.	112	<i>Mya arenaria</i> Linn.
111	<i>trivittatum</i> Ad.	112	<i>Natica olausa</i> Br. & Sowb.
111	<i>undatum</i> Linn.	112	<i>heros</i> Say.
111	<i>Bulla triticea</i> Couth.	112	<i>triseriata</i> Say.
111	<i>Cancellaria Couthouyi</i> Jay.	112	<i>Nucula limatula</i> Say.
111	<i>Cardium pinnatulum</i> Conr.	112	<i>minuta</i> Turt.
111	<i>Crepidula fornicata</i> Lam.	112	<i>myalis</i> Couth.
111	<i>plana</i> Say.	112	<i>Pandora trilineata</i> Say.
111	<i>Chiton fulminatus</i> Couth.	112	<i>Pecten magellanicus</i> Lam.
111	<i>Cingula minuta</i> .	112	<i>Petricola pholadiformis</i>
111	<i>Cochlodesma Leana</i> Conr.	112	<i>Pholas crispata</i> Linn. [ <i>Lam.</i>
111	<i>Cumingia tellinoides</i> Conr.		<i>P. lamellata</i> Turt.
111	<i>Cyprina islandica</i> Lam.	112	<i>Purpura lapillus</i> Lam.
111	<i>Fusus decemcostatus</i> Say.		<i>P. imbricata</i> .
111	<i>islandicus</i> Mart.	112	<i>Pyramis striatula</i> Couth.
111	<i>harpularius</i> Couth.	112	<i>Rostellaria occidentalis</i>
111	<i>Glycymeris siliqua</i> Lam.		Beck.
111	<i>Lacuna vinota</i> .	112	<i>Sanguinolaria fusca</i> Conr.
111	<i>Littorina palliata</i> .	112	<i>sordida</i> Couth.
111	<i>rudis</i> .	112	<i>Saxicava distorta</i> Say.
111	<i>tenebrosa</i> .	112	<i>Scalaria Grœnlandica</i> Chem.
111	<i>Lottia alveus</i> .	112	<i>Solen ensis</i> Linn.
111	<i>testudinalls</i> .	113	<i>Solemya velum</i> Say.
111	<i>Machœra costata</i> .	113	<i>Thracia Conradi</i> Couth.
111	<i>Maetra solidissima</i> Chem.	113	<i>Tellina polita</i> Say.
111	<i>Margarita arctica</i> Leach.	113	<i>tenera</i> Say.
111	<i>cinerea</i> .	113	<i>Terebratula caput-ser-</i>
112	<i>obscura</i> .		<i>pentis</i> Lam.
112	<i>undulata</i> Sowb.	113	<i>Teredo navalis</i> Linn.



Page.		Page.	
113	<i>Trichotropis borealis</i> Sowb.	113	<i>Venus gemma</i> Totten.
	<i>T. costellatus</i> Couth.	113	<i>mercensaria</i> Linn.
113	<i>Turritella erosa</i> Couth.	113	<i>Velutina lævigata</i> .
113	<i>Unio complanatus</i> Lea.		<i>V. rupicola</i> Conr. not
113	<i>nasutus</i> Say.		<i>Orynos glabra</i> .
113	<i>radiatus</i> Barnes.		

**Russell.**—Conspectus of Shells found in Essex County, &c. :  
by J. H. RUSSELL. (From same as last, p. 126.)

[No descriptions are given.—W. G. B.]

Page.		Page.	
127	<i>Adeorbis costulata</i> St.	129	var. <i>pygmaeus</i> Gould.
127	<i>Amicula vestita</i> St.		<i>Trytonium pygmaeum</i> St.
	<i>Chiton Emersonii</i> Couth.	129	<i>Helix albolabris</i> Gould.
127	<i>Anoylus fuscus</i> Ad.	129	<i>alternata</i> Gould.
127	<i>Anodon implicata</i> Gould.	129	<i>arborea</i> Gould.
128	<i>Anomia ephippium</i> Linn.	129	<i>electrina</i> Gould.
128	var. <i>aculeata</i> .	129	<i>exigua</i> Gould.
128	<i>squamula</i> .	129	<i>hortensis</i> Gould.
128	<i>Astarte castanea</i> Gould.		<i>Helix subglobosa</i> Binney.
128	<i>quadrans</i> Gould.	129	<i>indentata</i> Gould.
128	<i>sulcata</i> Gould.	129	<i>labyrinthica</i> Gould.
128	<i>Buccinum plicosum</i> Gould.	129	<i>lineata</i> Gould.
128	<i>undatum</i> Linn.	129	<i>minuscula</i> Gould.
128	<i>Bullimus lubricus</i> Gould.	129	<i>pulchella</i> Gould.
128	<i>Bulla punctostriata</i> St.	129	<i>cherrina</i> Gould.
128	<i>triticea</i> Gould.	129	—
128	<i>Cemoria Noachina</i> Gould.	130	<i>Kellia rubra</i> Gould.
128	<i>Chiton albus</i> Gould.	130	<i>Leda limatula</i> St.
128	<i>marginatus</i> Gould.	130	<i>myalis</i> St.
128	<i>ruber</i> Gould.		<i>Nucula myalis</i> Gould.
128	<i>Cingula minuta</i> Gould.	130	<i>sapotilla</i> St.
128	<i>Cochlodesma Leana</i> Couth.		<i>Nucula sapotilla</i> Gould.
	<i>Anatina Leana</i> Conr.	130	<i>Ancylus fuscus</i> Gould. -
128	<i>Columbella Gouldiana</i> ? St.	130	<i>Limnæa columella</i> Gould.
129	<i>Cumingia tellinoidea</i> Gould.	130	<i>elodes</i> Gould.
129	<i>Cyclas dubia</i> Gould.	130	<i>macrostoma</i> Gould.
129	<i>partumeia</i> Gould.	130	<i>modicellus</i> Gould.
129	<i>Dentalium dentale</i> Gould.	130	<i>umbilicata</i> Gould.
129	<i>Fusus decemcostatus</i> Gld.	130	<i>Planorbis armigerus</i> Gould.
129	<i>harpularius</i> Gould.	130	<i>bicarinatus</i> Gould.
129	<i>islandicus</i> Gould.	130	<i>campanulatus</i> Gould.
	<i>Tritonium islandicum</i>	130	<i>deflectus</i> Gould.
	Loven.	130	<i>exacutus</i> Gould.

Page.		Page.	
130	<i>Planorbis elevatus</i> Gould.	131	<i>Pecten Magellanicus</i> Gld.
130	<i>hirsutus</i> Gould.	131	<i>Philine formosa</i> St.
130	<i>lentus</i> Gould.	131	<i>Pleurotoma bicarinata</i> Gld.
130	<i>Physa ancillaria</i> Gould.	132	<i>violacea</i> St.
130	<i>elongata</i> Gould.	132	<i>Pupa curvidens</i> Gould.
130	<i>heterostropha</i> Gould.	132	<i>Rissoa eburnea</i> St.
130	<i>Lucina radula</i> Gould.	132	<i>multilineata</i> St.
131	<i>Maetra lateralis</i> Gould.	132	<i>pelagica</i> St. [Migh.
131	<i>Margarita arctica</i> Gould.		<i>Cingula semicostata</i>
131	<i>argentata</i> Gould.	132	<i>Scalaria Gronlandica</i> Gld.
131	<i>obscura</i> Gould.	132	<i>Novangliæ</i> Couth.
131	<i>undulata</i> Gould.	132	<i>Solemya velum</i> Gould.
131	<i>Menestho albula</i> St.	132	<i>Solen ensis</i> Linn.
	<i>Pyramis striatula</i> Couth.	132	<i>Succinea campestris</i> Gould.
131	<i>Mesodesma arcotata</i> Gould.	132	<i>ovalis</i> Gould.
131	<i>Nassa trivittata</i> Say.	132	<i>Terebratula septen-</i>
	<i>Buccinum trivittatum</i>		<i>trionalis</i> Gould.
131	<i>Natica flava</i> Gould. [Gould.	132	<i>Teredo dilatata</i> St.
131	<i>immaculata</i> Gould.	132	<i>Thracia truncata</i> Migh.
131	<i>pusilla</i> Gould. [Migh.	133	<i>Turritella scicula</i> St.
131	<i>Nuoula delphinodonta</i>	133	<i>areolata</i> St.
131	<i>Osteodesma Hyalina</i> Gould.	133	<i>Velutina haliotoides</i> Mill.
131	<i>Paludina decisa</i> Gould.	133	<i>sonata</i> Gould.
131	<i>Pandora trilineata</i> Gould.		

**Shumard.**—A Catalogue of the fluviatile Shells belonging to the family of Naiades of Jefferson County, Kentucky: by B. F. SHUMARD, M. D., Louisville, Kentucky. (From the Naturalist, and Journal of Agriculture, Horticulture, Education and Literature, &c., at Franklin College, Tennessee, vol. i, No. 3. March, 1846.)

[The title of this catalogue was given by me on p. 427. Since the printing of that page I have received the work, through the kindness of J. G. Anthony, Esq. No descriptions are given.—W. G. B.]

Page.		Page.	
105	<i>Unio alatus</i> Say.	105	<i>Unio bullatus</i> Raf.
	<i>U. megapterus</i> Raf.		<i>U. verrucosus albus</i> Say.
105	<i>asperimus</i> Lea.		<i>pustulosus</i> Lea.
	<i>U. lachrymosus</i> Lea.		<i>Dorfeuillanus</i> Lea.
	<i>quadrulus</i> Say.		<i>prasinus</i> Conr.
105	<i>anodontoides</i> Lea.	105	<i>cardium</i> Raf.
	<i>U. teres</i> Raf.		<i>U. subvatus</i> Lea.
	<i>teres</i> Conr.		<i>ventricosus</i> Barnes.

Page.		Page.	
105	<b>Unio cicatricosus</b> Say.	105	<b>Unio rubiginosus</b> Lea.
	• <i>U. varicosus</i> Lea.	105	<i>rectus</i> Lam.
105	<b>cyphius</b> Raf.		<i>U. prelongus</i> Bar.
	<i>U. Esopus</i> Green.	106	<b>cornutus</b> Bar.
105	<b>clavus</b> Lam.		<i>U. reflexus</i> Raf.
	<i>U. scalenia</i> Raf.	106	<b>dilatatus</b> Raf. & Conr.
	<i>modioliformis</i> Say.		<i>U. gibbosus</i> Bar.
105	<b>crassus</b> Say.		<i>arctior</i> Lea.
	<i>U. ellipticus</i> Bar.		<i>nasutus</i> Lam.
	<i>carinatus</i> Bar.	106	<b>ebenus</b> Lea.
105	<b>cylindricus</b> Say.		<i>U. mytiloides</i> Conr.
	<i>U. solenoides</i> Raf.	106	<b>elegans</b> Lea.
	<i>naviformis</i> Lam.	106	<b>foliatus</b> Hild.
105	<b>crassidens</b> Lam.		<i>U. flexuosus</i> Raf.
	<i>U. cuneatus</i> Bar.	106	<b>fabalis</b> Lea.
	<i>niger</i> ? Raf.		<i>U. lapillus</i> Say.
	<i>soleniformis</i> Lea.	106	<b>gracilis</b> Bar.
105	<b>multiplioatus</b> Lea.		<i>U. fragilis</i> Swains.
	<i>U. heros</i> Say.	106	<b>glans</b> Lea.
	<i>undulatus</i> Say.	106	<b>iris</b> Lea.
105	<b>nodulatus</b> Raf.		<i>U. subrostratus</i> Bar.
	<i>U. pustulatus</i> Lea.	106	<b>irroratus</b> Lea.
105	<b>occidens</b> Lea.		<i>U. verrucosus albus</i> Hild.
	<i>U. ventricosus</i> Say.	106	<b>metanever</b> Lea.
105	<b>Ohioensis</b> Raf.		<i>U. nodosus</i> Barnes.
	<i>U. lævissimus</i> Lea.	106	<b>monodontus</b> Say.
105	<b>ovatus</b> Say.		<i>U. latissimus</i> Raf.
	<i>U. globosus</i> Lea.	106	<b>siliquoideus</b> Bar.
	<i>capax</i> Green.		<i>U. inflatus</i> Bar.
105	<b>olivarius</b> Raf.	106	<b>pyramidatus</b> Lea.
	<i>U. ellipsis</i> Lea.	106	<b>subrotundus</b> Raf.
105	<b>orbiculatus</b> Hild.		<i>U. circulus</i> Lea.
	<i>U. abruptus</i> Say.	106	<b>sulcatus</b> Lea.
	<i>crassus</i> Conr.		<i>U. ridibundus</i> Say.
105	<b>phaseolus</b> Hild.	106	<b>securis</b> Lea.
	<i>U. planulatus</i> Lea.		<i>U. depressa</i> Raf.
	<i>cuneatus</i> Bar.	106	<b>tenuissimus</b> Lea.
105	<b>perplexus</b> Lea.		<i>U. velum</i> Say.
	<i>U. gibbosus</i> Conr.		<i>Anodonta purpurascens</i>
105	<b>Sayii</b> Ward.	106	<b>torsus</b> Raf. [Swains.
105	<b>plicatus</b> Less.	106	<b>triangularis</b> Bar.
	<i>U. rariPLICATA</i> Lam.		<i>U. formosus</i> Lea.
	<i>Peruvianus</i> Lam.		<i>cuneatus</i> Swains.
	<i>costatus</i> Raf.	106	<b>tuberculatus</b> Bar.
105	<b>parvus</b> Bar.		

Page.		Page.	
106	<b>Unio verrucosus</b> Bar.	106	<b>Anodonta plana</b> Lea.
	<i>U. tuberculatus</i> Raf.		<i>A. declivis</i> Conr.
	<i>verrucosus purpureus</i>	106	<b>Ferussaciana</b> Lea.
106	<b>sig-zag</b> Lea. [Hild.	106	<b>exilis</b> Lea.
106	<b>Alasmodonta complanata</b>		<i>A. salmons</i> Lea.
	[Bar.	106	<b>imbecillis</b> Say.
106	<b>calceola</b> Lea.		<i>A. incerta</i> Lea.
	<i>Margaritana deltoidea</i>	106	<b>lata</b> Raf.
106	<b>rugosa</b> Bar. [Lea.		<i>Unio dehiscens</i> Say.
	<i>A. abducta</i> Say.		<i>A. oriens</i> Lea.
106	<b>Anodonta grandis</b> Say.		
	<i>A. corpulenta</i> Cooper.		



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## ERRATA.

The following errata and addenda should be entered on their respective pages of the Bibliography:—

Page 1. The folio of the left hand column refers to Rafinesque's extra copies of the "Monographie." Page 25 corresponds with p. 291 of the original paper in the "Annales."

Page 4, line 14. *After Tremisia patelloides* read *Notrema*.

" 4, line 25. *Add* See also page 546.

" 5, line 3 from bottom, *add* *Decurambis litterata* Raf.

" 8, line 11. The paper of Coates will also be found in the *Ann. of Phil.* x, 385; *Bull. Sc. Nat.* vii, 259 (1826); *Fror. Not. Bd.* 12, 295 (1826).

Page 40, line 10. *Astarte castanea* in the first edition is given as a synonym of *Crassina Danmoniensis*, omitted in this edition.

Page 53. *Note.* See also p. 419.

" 64. *For* Couthouy's paper, *see* also p. 437.

" 64. *For* Jay's paper, *see* also p. 486.

" 74. The date is probably 1842.

" 123, line 3 from bottom of left hand column, *add* p. 40 *Unio orridens* Lea.

Page 129. The first edition of Wheatley's Catalogue was published in 1842.

Page 230. *For* Lea's Synopsis, *see* also p. 52.

" 254. The Land Shells of Say were published separately in 1856 with the title of "Descriptions of Terrestrial Shells of North America."

Page 262, line 1, *for* September *read* May.

" 274, line 4, *add* See also p. 606.

" 319, line 1, *for* W. Whittemore *read* T. W. Whittemore.

" 319. Agassiz and Gould's Principles were republished in 1861.

" 327. *For* Conrad's paper, *see* also p. 404.

" 327. *For* Leidy's paper, *see* also Silliman's *Am. Journ.* [2] iii, 434.

" 333. Date of Haldeman's Monograph is said to be 1847.

" 334, after line 36, *add* *L. solida* Lea = *Melania*.

" 339, line 3, *for* November *read* July.

" 341, line 2 from bottom, *add* See also note on p. 101.

" 348, line 28, *for* 1841 *read* 1840.

" 350, line 22, *for* 108 *read* 308.

" 357, *for* foreign species of *Boat.* *Proc.* *see* p. 530.

" 359, line 15, *for* 137 *read* 138.

" 361, after line 9, *add* ii, 160 *Creptifula nummaria* Gould. *Classet.*

" 371, line 10. A figure of *Cochliolepta* is given.

" 371, line 21, *for* September *read* November.

- Page 371. For the foreign species in the Proc. Phila. Acad., see p. 551.
- “ 372, line 26, for November, 1842, read December, 1842.
- “ 372, line 27, for March, 1853, read March, 1843.
- “ 373. For Leidy's paper first quoted, see also Fror. Not. 3 Reibe, Bd. 4, No. 68, 1847, p. 24, and Journ. de Conch. i, 1850, p. 34.
- Page 374, line 32, for 58 read 57.
- “ 386. For foreign species in Phila. Proc., see p. 556.
- “ 404, line 2, add see also p. 560.
- “ 404, line last, add see also p. 327.
- “ 406, line 2, add see also p. 520.
- “ 417, line 8, add see also p. 504.
- “ 422, line 2, add see also p. 525.
- “ 427, line 4, add see also p. 631.
- “ 427, line 4, for 1856 read 1846.
- “ 427. Cooper's paper should not have been quoted here, its date being 1860.
- Page 427, line 26, add Banks of the Ohio.
- “ 429, line 7, for 1841 read 1851.
- “ 433, line 6, add see also p. 547.
- “ 436, line 12 from bottom, see also Faunus von Gistl. Bd. i, Hft. 1, 1837, p. 42.
- Page 451, line 8. The title in the Transactions is “Descriptions of new species of the family Unionidæ.”
- Page 477, line 26, for *Crypogenia* read *Cyprogenia*.
- “ 486, line 13 from bottom, add see p. 64.
- “ 490, line 4, add Adams.
- “ 499, line 24, for 100 read 101.
- “ 500, line 21, for 187 read 189.
- “ 501, line 13. The quotations from p. 215 to 233 on the next page are by Bland.
- Page 502, line 11 from bottom. The quotations from p. 233 are to be attributed to Adams.
- Page 502, line 3 from bottom. The quotations are by Bland.
- “ 503. The first title is by Adams.
- “ 525, line 2, add see also p. 422.
- “ 526, line 2, add see also p. 343.
- “ 530, line 2, add see also p. 357.
- “ 531, lines 6, 7, 8, for 160 read 161; their date is also May, 1844.
- “ 550, line 14 from bottom, after Vol. ii, add Part 2.
- “ 551, line 10 from bottom, add see also p. 371.
- “ 552, line 16, add see also Proc. vi, 435. Nov. 1853.
- “ 552, line 26, add see also p. 606 of Bibliography.
- “ 556, line 3 from bottom, add see also p. 386.
- “ 565, before line 13 from bottom, add No. ix, May, 1851.
- “ 581. Redfield's paper, add June, 1852.
- “ 583, before page 297, add July, 1852.







**SMITHSONIAN MISCELLANEOUS COLLECTIONS.**

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**CATALOGUE**

**OF**

**PUBLICATIONS**

**OF THE**

**SMITHSONIAN INSTITUTION.**

**CORRECTED TO JUNE, 1862.**



**WASHINGTON:  
SMITHSONIAN INSTITUTION.**

**JUNE, 1862.**



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## ADVERTISEMENT.

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THE present catalogue is intended to embrace all the articles published by the Smithsonian Institution since its organization in 1846. For the first few years nothing was issued but pamphlets explanatory of the plan of the Institution, and brief annual reports of the proceedings of the Regents, and it was not until after 1849 that the following regular series were established, viz :—

1st. A quarto series entitled "Smithsonian Contributions to Knowledge," issued in volumes, each embracing one or more separate articles.

2d. An octavo series, entitled "Smithsonian Miscellaneous Collections."

3d. Another octavo series, consisting of the Annual Reports of the Institution to Congress, called "Smithsonian Reports," and printed at the expense of the government:

The Smithsonian Contributions to Knowledge include memoirs embracing the records of extended original investigations and researches resulting in what are believed to be new truths, and constituting positive additions to the sum of human knowledge. The series of Smithsonian Miscellaneous Collections is designed to contain reports on the present state of our knowledge of particular branches of science; instructions for collecting and digesting facts and materials for research; lists and synopses of species of the organic and inorganic world; museum catalogues; reports of explorations; aids to bibliographical investigations, etc., generally prepared at the express request of the Institution, and at its expense. The position of a work in one or the other of these two series will sometimes depend upon whether the required illustrations can be presented more conveniently in the quarto or the octavo form.

The Annual Reports are presented to Congress, and printed at its expense, copies being given to the Institution. They consist of the reports of the Secretary to the Board of Regents of the operations and condition of the Institution; the reports of committees of the Board; abstracts of lectures delivered before the Institution; extracts from correspondence; original or translated articles relating to the history and progress of science, etc. Over the typography and general mechanical execution, as well as the number of copies, of the Smithsonian Annual Reports the Institution has no control.

In the first experiments of the Smithsonian system of publication, the proper magnitude of the editions necessary to meet the immediate and future demand could not be accurately ascertained. The number of copies of the Contributions then fixed upon, has since been found inadequate, although it was larger than that usually issued by other institutions. The edition has, therefore, been augmented, until at the present time 1000 copies of each article are set aside to be combined into volumes, and an extra number, varying with the probable demand, from 500 to 1500, struck off for separate distribution, and for sale.

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Of the first volume of Smithsonian Contributions, the edition, for reasons already explained, is less than of the succeeding ones, so that complete sets cannot now be always furnished. A considerable number of the earlier articles in octavo, also, are out of print, and cannot be furnished in series for the same reason; they are, therefore, necessarily excluded from the "Smithsonian Miscellaneous Collections." Most of such works, however, have been or will be reproduced in later and improved editions.

The regular series of volumes of Smithsonian Annual Reports begins with 1853, those for previous years being pamphlets now out of print. The essential portion of their contents is, however, given in the above-mentioned volume for 1853, so as to present a complete summary of the history of operations of the Institution from its commencement to the present time.

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JOSEPH HENRY,

*Secretary, S. I.*

SMITHSONIAN INSTITUTION,  
WASHINGTON, June, 1862.

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Institutions devoted exclusively to the promotion of particular branches of knowledge, receive such articles published by the Institution as relate to their objects. Portions of the series are also given to institutions of lesser grade not entitled to the full series, and also to the meteorological correspondents of the Smithsonian Institution.





**PUBLICATIONS**  
**OF THE**  
**SMITHSONIAN INSTITUTION,**

WASHINGTON, D. C.

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CORRECTED TO JUNE, 1862.

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PRINTED BY THE INSTITUTION.

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**QUARTO SERIES.**

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The Appendix embraces: (4\*) **Walker**, Eph. Neptune, 1795-1849; (6.) Do. for 1850; (7.) Do. for 1851; (11.) **Downes**, Occultations for 1851.

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The Appendix embraces: (24.) **Walker**, Eph. Neptune, 1852; (29.) **Downes**, Occultations, 1852.

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112. Smithsonian Contributions to Knowledge. 1860. Vol. XII, pp. 540, 3 plates, and 12 wood-cuts. Price \$6.

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150. Smithsonian Contributions to Knowledge. Vol. XIII. (In press.)

*Note.*—The twelve volumes already published and distributed of the Smithsonian Contributions to Knowledge, include, with few exceptions, all the quarto memoirs printed directly by the Institution. Of those not enumerated above, Nos. 130. **Kane**, Tidal Observations in the Arctic Seas; 146. **M'Clintock**, Meteorological Obs. Arctic Seas; 155. **Whittlesey**, Ancient Mining; and 132, 162. **Bache**, Discussion Girard Coll. Obs. II, will form part of Volume XIII. Of the remainder,—(8.) **Downes**, Occultations for 1848; (9.) **Do.** for 1849; (10.) **Do.** for 1850; and (2.) **Owen**, Hints on Public Architecture,—the editions published were too small to incorporate into the series. No. 40\*. *Dacota Grammar* is

an extra edition of portion of No. 40. *Dacota Grammar and Dictionary*; and No. 86. *Harvey, Marine Algae of N. Am.* consists of the three separate parts bound into one.

Nos. 1, 26, 88, 39, 55, 56, 76, 78, 92, 99, 111, 112, 151 refer to the thirteen volumes *Smithsonian Contributions*, containing works separately numbered. Nos. 120. *Hildreth, Met. Obs. Ohio*, and 121. *Berlandier, Met. Obs. Mexico*, though a long time in preparation, are not yet ready to be printed.

## MISCELLANEOUS COLLECTIONS.

### OCTAVO SERIES.

122. *Smithsonian Miscellaneous Collections*. 1862. Vol. I, 8vo. pp. 732. Price \$3, paper.

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124. *Smithsonian Miscellaneous Collections*. Vol. III, 8vo. pp. 766. Price \$3.

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*Note.*—Of this volume, Nos. 102, 118, and 117 have already been distributed to American institutions, rendering it only necessary to furnish in addition the introductory matter and *Le Conte's Classification of Coleoptera*, as above.

125. Smithsonian Miscellaneous Collections. Vol. IV, 8vo. pp. 752. Price \$3.

Contains: (134.) Hagen, Synopsis of N. Am. Neuroptera, and (133.) Morris, Synopsis of N. A. Lepidoptera.

158. Smithsonian Miscellaneous Collections. Vol. V, 8vo. (In press.)

This volume will contain of works already printed: (141.) Loew, Monographs of Diptera, Part I.; (64.) List of Foreign Correspondents of Smithsonian Institution; and (74.) List of Publications of the Smithsonian Institution, with some others.

*Note.*—The preceding volumes of "Miscellaneous Collections" include all the octavo works printed by the Smithsonian Institution of which copies enough remain on hand to furnish the entire first class list of distribution. The remaining articles have, however, been already supplied to most of its regular correspondents.

As stated in the introduction, a number of the articles mentioned as out of print have been incorporated in later works included in the Miscellaneous Collections and Annual Reports.

The works coming under the head of "Out of Print" are as follows: (18.) Gould, Report on Neptune; (101.) Hill, Map of Solar Eclipse; (93.) Smithsonian Meteorological Observations for 1855; (68.) Mitchell, Vocabulary of Jargon; (62.) Melshheimer, Catalogue of Coleoptera; (48.) Girard, American Natural History Bibliography; (25.) Jewett, Smithsonian Catalogue System; (A.) Proceedings of Regents, 1846; (B.) Report Committee of Organization; (C.) Digest of Acts of Congress; (D.) Address on laying corner-stone; (E.) Explanation Smithsonian's Bequest; (K.) Correspondence on Memoir of Squier and Davis.

The works which are being prepared, or in press, are so marked, consisting of Nos. 140, 142, 143, 144, 145, 148, 153, 154, 156, 160, 161, 163, 165.

No. 164, Museum Miscellanea, does not form part of the Miscellaneous Collections.

## B. SYSTEMATIC LIST OF TITLES.

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80. **Alvord.**—The Tangencies of Circles and of Spheres. By Benjamin Alvord, Major U. S. Army. January, 1856. 4to. pp. 16, and 9 plates. (S. C. VIII.) Price 50 cents.

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9. **Downes.**—Occultations visible in the United States during the year 1849. Computed under the direction, and at the expense of the Smithsonian Institution. By John Downes. 1848. 4to. pp. 24.

10. **Downes.**—Occultations visible in the United States during the year 1850. Computed by John Downes, at the expense of the fund appropriated by Congress for a Nautical Almanac, and published by the Smithsonian Institution. 1849. 4to. pp. 26.

These three papers by Mr. Downes were not published in the series of Contributions.

11. **Downes.**—Occultations visible in the United States during the year 1851. Computed by John Downes, at the expense of the fund appropriated by Congress for the establishment of a Nautical Almanac, and published by the Smithsonian Institution. Oct. 1850. 4to. pp. 26. (S. C. II.) Price 20 cents.

29. **Downes.**—Occultations visible in the United States during the year 1852. Computed by John Downes, at the expense of the fund appropriated by Congress for the establishment of a Nautical Almanac, and published by the Smithsonian Institution. 1852. 4to. pp. 34. (S. C. III.) Price 20 cents.

54. **Downes.**—Occultations of Planets and Stars by the Moon during the year 1853. Computed by John Downes, at the expense of the fund appropriated by Congress for the establishment of a Nautical Almanac, and published by the Smithsonian Institution. 1853. 4to. pp. 36. (S. C. VI.) Price 20 cents.

3. **Walker.**—Researches relative to the Planet Neptune. By Sears C. Walker, Esq. 1850. 4to. pp. 60. (S. C. II.) Price 50 cents.

4. **Walker.**—Ephemeris of Neptune for the Opposition of 1848. By Sears C. Walker, Esq. 1849. 4to. pp. 8.

5. **Walker.**—Ephemeris of the Planet Neptune for the date of the Lalande Observations of May 8 and 10, 1795, and for the Opposition of 1846, '47, '48, and '49. By Sears C. Walker, Esq. April, 1849. 4to. pp. 32. (S. C. II.) Price 20 cents.

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18. **Gould.**—On the History of the Discovery of the Planet Neptune. By B. A. Gould, Jr. 1850. 8vo. pp. 56. Price 25 cents.

79. **Runkle.**—New Tables for determining the Values of the Coefficients in the Perturbative Functions of Planetary Motion, which depend upon the ratio of the mean distances. By John D. Runkle, Assistant in the office of the American Ephemeris and Nautical Almanac. Nov. 1856. 4to. pp. 64. (S. C. IX.) Price 50 cents.

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87. **Coffin.**—Psychrometrical Table for Determining the Force of Aqueous Vapor, and the relative Humidity of the Atmosphere from Indications of the Wet and the Dry Bulb Thermometer, Fahrenheit. By James H. Coffin, A. M. 1856. 8vo. pp. 20. (M. C. I.) Price 10 cents.

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57. Seventh Annual Report of the Board of Regents, &c., during the year 1852, and the proceedings, &c. March 1, 1853, ordered to lie on the table, and be printed. 32d Congress, 2d Session. Senate Miscellaneous No. 53. 1853. 8vo. pp. 96. (Out of print.)

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Meteorological Notices. Report for 1860, pp. 401—416. 1861.

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**GEOGRAPHY.**

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**Bland.**—List of Birds of Bermuda. By Lieut. Bland, R. E. Communicated by John R. Willis. Report for 1858, pp. 286—289. 1859.

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Contains description and figure of the great Couch Meteorite in the Museum of the Smithsonian Institution.

### BIBLIOGRAPHY.

**Jewett.**—Appendix to the Fourth Report for 1849, of the Board of Regents of the Smithsonian Institution, containing a report on the public libraries of the United States, January 1, 1850. By Charles C. Jewett, Librarian. Pp. 208. 1850.

**Jewett.**—Notices of Public Libraries in the United States. By Professor C. C. Jewett. Pp. 208. (Part of the Fifth Annual Report to Congress for 1849.)

Extra edition of the preceding.

**Jewett.**—Appendix to Librarian's Report. List of books, maps, charts, musical compositions, etc., delivered to the Librarian of the Smithsonian Institution from August 10, 1846, to December 31, 1849: in compliance with the requirement of the Act of Congress, approved August 10, 1846, establishing the Smithsonian Institution. By C. C. Jewett, Librarian. Report for 1850, pp. 146—326. 1851.

### BIOGRAPHY.

**Cuvier.**—Memoir of Priestley. Read before the National Institute of France, by M. Cuvier, June 27, 1805. Translated by C. A. Alexander. Report for 1858, pp. 138—152. 1859.

**Flourens.**—Memoir of Pyramus De Candolle. By M. Flourens. Translated for the Smithsonian Institution by C. A. Alexander. Report for 1859, pp. 271—283. 1860.

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- Catal. of Rocks, Minerals, etc., of U. S.  
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**Smith.** Meteoric Stones. (1855.)

**Bibliography.**

- Jewett.** Notice of Pub. Lib. U. S.  
 (1849.)  
**Jewett.** Copyright Books from 1846—  
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**Biography.**

- Cuvier.** Memoir of Priestley. (1858.)  
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**Cuvier.** Memoir of Haüy. (1860.)

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**Babbage.** Tables of Constants of Na-  
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L I S T

OF

FOREIGN CORRESPONDENTS

OF THE

SMITHSONIAN INSTITUTION.

CORRECTED TO JANUARY, 1862.



WASHINGTON:  
SMITHSONIAN INSTITUTION.  
MAY, 1862.

## ADVERTISEMENT.

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THE present publication is intended as a list of the foreign institutions with which the Smithsonian Institution is, at the present time, in correspondence, and in fact embraces all that have come to its knowledge having objects akin to its own, or from which it has received serial publications up to the date mentioned on the title-page.

As new editions of the list will be published from time to time, the Smithsonian Institution desires to receive any information relative to new addresses, changes of title or character of the old ones, typographical errors, etc.

JOSEPH HENRY,  
*Secretary S. I.*

SMITHSONIAN INSTITUTION,  
WASHINGTON, April, 1862.

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PHILADELPHIA:  
COLLINS, PRINTER.

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OF

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### SCANDINAVIA.

Hit Konungliga Norræna Fornfræda Fèlag (Royal Society of Northern Antiquaries). (See *Copenhagen.*)

Nordisk Universitets-Tidsskrift (Journal of the Northern Universities).

Skandinaviske Naturforskeres Forsamling (Scandinavian Association of Naturalists).

### SWEDEN.

**Göteborg**—Kongliga Vetenskaps- och Vitterhets-Samhället (Royal Society of Science and Belles Lettres).

**Lund**—Kongliga Universitetet.

Observatoriet.

Physiographiske Forening (Physiographic Association).

**Stockholm**—Kongliga Landbruks-Akademien (Royal Academy of Agriculture).

Kongliga Vetenskaps-Akademien (Royal Academy of Science).

Kongliga Vitterhets- Historie- och Antiquitets-Akademien (Royal Academy of Belles Lettres, History, and Antiquities).

Observatoriet.

Pharmaceutiska Institutet.

Riksbiblioteket (Royal Library).

Schwedische Gesellschaft der Aertze.  
Svenska Akademien.

**Upsala**—Kongliga Universitetet.  
Kongliga Vetenskaps-Societeten (Royal Society of  
Science).  
Universitetets Observatoriet.

**Westerås**—Bibliotheca Arosiensis.

### NORWAY.

**Bergen**—Bergensk Museum (Bergen's Museum).  
**Christiania**—Forening til Norske Fortidsmindesmerkers Be-  
varing (Society for the Preservation of Northern  
Antiquities).  
Kongelige Norske Universitet.  
Observatorium.  
Videnskabs Selskab i Christiania (Scientific Society  
of Christiania).\*

**Trondhjem (Drontheim)**—Kongelige Norske Videnskab-  
ernes-Selskab (Royal Northern Society of Science).

### ICELAND.

**Reykjavík**—Íslands Stúfistibókasafn (Iceland's Foundation Li-  
brary).  
Hit íslenska bókmentafélag (Publishers' Association  
of Iceland).

### DENMARK.

**Kjøbenhavn (Copenhagen)**—Astronomisk Observatorium.  
Danske Landmands-Forsamling (Association of Da-  
nish Agriculturists).  
Kongelige Bibliothek.  
Kongelige Danske Selskab for Fædrelandets Historie  
og Sprog (Royal Danish Society of National His-  
tory and Language).  
Kongelige Danske Søkort-Archivet. (Hydrographic  
Office.)

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\* Replacing the Physiographiske Forening.

Kongelige Danske Videnskabernes-Selskab (Royal Danish Society of Science).  
 Kongelige Landhuusholdnings-Selskab (Royal Society of Rural Economy).  
 Kongelige Nordiske Oldskrift-Selskab (Royal Society of Northern Antiquaries).  
 Naturhistoriske Forening.  
 Samfund til den Danske Literaturs Fremme (Society for the Advancement of Danish Literature).  
 Tidskrift for Veterinær (Veterinary Journal).  
 Veterinær-Selskab (Veterinary Society).

RUSSIA.

**Astrakhan**—Obshtshestvo Morskikh Wratchei (Society of Naval Physicians).  
**Cronstadt**—Cronstatskaia flotskaia Biblioteka (Naval Library of Cronstadt).  
 Morskaia Biblioteka (Naval Library).  
 Morskaia Observatorya (Naval Observatory).  
 Obshtshestvo Morskikh Wratchei (Society of Naval Physicians).  
**Dorpat**—Dorpater Naturforscher-Gesellschaft.  
 Gelehrte Esthnische Gesellschaft.  
 K. Universitäts-Sternwarte.  
 Universität.  
**Helsingfors**—Finske Läkare Sällskapet. (Society of Physicians of Finland.)  
 Magnetisches und meteorologisches Observatorium.  
 Societas Scientiarum Fennica.  
 Universität.  
**Kasan**—Imper. Kazanskii Universitet.  
 Observatorium.  
**Kharkow**—Universität.  
**Irkutsk**—Société géographique.  
**Kiew**—Imperatorskyy Universitet Swjatago Wladimira (Imperial University of the Holy Wladimir).  
 Observatorium.

- Mitau**—Kurländische Gesellschaft für Literatur und Kunst.
- Moskwa (Moscow)**—Imper. Moscovskii Universitet.  
 Imperat. Obshtshestvo Istorii i Drevnostei Rossiakih pri Moskovskom Universitete (Imperial Society of Russian History and Antiquities of the University of Moscow).  
 Imper. Obshtshestvo Selskago Khozaistva (Imperial Agricultural Society).  
 Observatorium.  
 Société Impériale des Naturalistes de Moscou.
- Nicolaleff**—
- Nicolalevsk (Amoor River)**—Obshtshestvo Morskikh Wratchei (Society of Naval Physicians).
- Odessa**—Bibliothèque Publique.  
 Glavnoé Outchilitché Sadovodstva (Central Horticultural School).  
 Gorodskaiá Poublichnaíá Biblioteka (Public City Library).  
 Obshtshestvó Seljskagó Khozjaistva Joujnoi Rossii (Society of Rural Economy of Southern Russia).  
 Odesskoé Obshtshestvó Istorii i Drevnostei (Historical and Antiquarian Society of Odessa).  
 Outchilishtché Glucho-nemigh (Deaf and Dumb Institution).
- Orenburg**—Bibliothèque publique.
- Pulkowa**—Observatoire Impérial.
- Reval**—Esthländische litterarische Gesellschaft.
- Riazan**—Publitshnaja Biblioteka (Public Library).
- Riga**—Gesellschaft für Geschichte und Alterthumskunde der russischen Ostsee-Provinzen.  
 Gesellschaft Praktischer Ärzte.  
 Museum.  
 Naturforschender Verein.
- St. Petersburg**—His Imperial Majesty the Emperor of Russia.  
 Hidrographitseskii Departament Morskago Ministerstva (Hydrographical Department of the Ministry of Marine and Depot of Naval Charts of Russia).

- Imperat. Akademija Nauk (Imperial Academy of Sciences).
- Imper. Arkheologitcherskoje Obschestvo (Imperial Archæological Society).
- Imper. Publitchnaja Biblioteka (Imperial Public Library).
- Imperat. Russkoe Geographitsheskoe Obshtshestvo (Imperial Russian Geographical Society).
- Imper. St. Peterburgskii Universitet.
- Imperat. Volnoe Ekonomitsheskoe Obshtshestvo (Imperial Free Economical Society).
- Kais. pharmaceutische Gesellschaft.
- Kais. Russ. Mineralogische Gesellschaft.
- Ministerstvo narodnago prosvestchenija (Ministry of Public Instruction).
- Morskoi-Outchenoi Comitet (Scientific Committee of the Marine).
- Morskoje Ministerstvo (Ministry of the Marine).
- Obshtshestvo Morskikh Wratchei (Society of Naval Physicians).
- Shtab Korpussa gornyxh Ingeneroff (Staff of the Corps of the Mining Engineers).
- Statistitsheskii Tsentralnii Komitet (Central Statistical Committee).
- Tsentralnaja sitcheskaja Observatoria (Central Physical Observatory).
- Vostotchnoi Institut (Oriental Institute).

**Tiflis**—Bibliothèque Publique.

- Observatoire Magnétique et Météorologique.  
Société Géographique du Caucase.

**Toula**—Bibliothèque Publique.

**Vilna**—Arkheologhitseskaja Kommissia (Archæological Commission).

- Observatoire Astronomique.

**Warsohau (Warsaw)**—Académie Médico-Chirurgicale.

- Biblioteka Towarzystwa Rolnierego Krolestiva Polskiego (Agronomical Society of Poland).  
Observatoire Astronomique.

## DE NEDERLANDEN. (HOLLAND.)

- Amsterdam** (*Noord-Holland*)—Koninklijke Akademie van Wetenschappen (Royal Academy of Sciences).  
 Koninklijk Zoologisch Genootschap "Natura Artis Magistra" (Royal Zoological Society).  
 Stadsbibliotheek (City Library).  
 Vereeniging voor Volksvljijt (Association for Popular Industry).  
 Wiskundig Genootschap: "Een onvermoeide Arbeid komt alles te boven" (Mathematical Society: "Untiring industry overcomes all").
- Arnhem** (*Gelderland*)—Genootschap "Tot Nut en Vergenoe-gen" (Society for Utility and Amusement).  
 Openbare Bibliotheek (Public Library).
- Bois-le-Duc** (*Brabant*)—Bibliotheek Noord-Brabant.  
 Société Littéraire du Brabant Hollandais.
- Delft** (*Zuid-Holland*)—Bureau Technologique.  
 Koninklijke Akademie ter opleiding van burgerlijke ingenieurs enz (Royal Academy for the Education of Civil Engineers, etc.).
- Deventer** (*Overyssel*)—Openbare Bibliotheek (Public Library).
- s'Gravenhage** (**The Hague**) (*Zuid-Holland*)—Koninklijke Bibliotheek (Royal Library).  
 Koninklijk Instituut van Ingenieurs (Royal Institute of Engineers).  
 Nederlandsche Entomologische Vereeniging (Entomological Society of the Netherlands).
- Groningen** (*Groningen*)—Academia Groningana.  
 Genootschap ter Bevordering der Natuurkundig Wetenschappen (Society for the Advancement of Natural Sciences).
- Haarlem** (*Noord-Holland*)—Geologische Commissie in Nederland (Geological Commission of the Netherlands).  
 Hollandsche Maatschappij der Wetenschappen (Society of Sciences of Holland).  
 Nederländische Ökonomische Gesellschaft.  
 Teyler's Genootschap.

- Hertogenbosch** (*Noord-Brabant*)—Provinciaal Genootschap van Kunsten en Wetenschappen in Noord-Brabant.
- Hoorn**—Societas Medico-Physica Hornana.
- Leeuwarden** (*Friesland*)—Friesch Genootschap van Geschied-oudheid-en taalkunde (Friesland Society of History, Antiquity, and Philology).
- Leiden** (*Zuid-Holland*)—Academia Lugduno-Batava.  
 Maatschappij der Nederlandsche Letterkunde (Society of Literature of the Netherlands).  
 Rijk's Observatorium (National Observatory).  
 Rijk's Museum van Natuurlijke Geschiedenis (National Museum of Natural History).  
 Vereeniging voor de Flora van Nederland.
- Middelburg** (*Zeeland*)—Het Zeeuwsch Genootschap der Wetenschappen.  
 Provinciale Bibliotheek van Zeeland.
- Rotterdam** (*Zuid-Holland*)—Bataafsch Genootschap der Proefondervindelijke Wijsbegeerte (Batavian Society of Experimental Philosophy).
- Utrecht** (*Utrecht*)—Academia Rheno-Trajectina.  
 Archiv für holländische Beiträge zur Natur- und Heilkunde.  
 Historisch Genootschap.  
 Koninklijk Nederlandsch Meteorologisch Instituut.  
 Observatorium.  
 Provinciaal Utrechtsch Genootschap van Kunsten en Wetenschappen (Provincial Society of Arts and Sciences of Utrecht).
- Zwolle** (*Overijssel*)—Overijsselsche Vereeniging tot Ontwikkeling van Provinciale Welvaart (Overijssel Society for Promotion of Provincial Welfare).  
 Vereeniging tot beoefening van Overijsselsch Rigt en Geschiedenis (Society for the Cultivation of Overijssel Jurisprudence and History).

**GERMANY including AUSTRIA and PRUSSIA.**

- Allgemeine Deutsche Apotheker Verein.  
 Deutsche Ornithologen-Gesellschaft.



- Verein der Süddeutschen Forstwirthe.  
 Versammlung Deutscher Land- und Forstwirthe.  
 Versammlung Deutscher Naturforscher und Aerzte.
- Aachen** (*Prussia*)—Verein für nützliche Wissenschaften und Gewerbe.
- Agram** (*Austria*)—Handels und Gewerbekammer für Kroatien.  
 K. K. Kroatisch-Slavonische Landwirthschafts-Gesellschaft.  
 Gesellschaft für südslav. Geschichte und Alterthümer.
- Altenburg** (*Saxe-Altenburg*)—Geschichts- und Alterthumsforschende Gesellschaft.  
 Naturforschende Gesellschaft des Osterlandes.  
 Pomologische Gesellschaft.
- Altona** (*Holstein*)—Sternwarte.  
 Thierschutz Verein.
- Ansbach** (*Bavaria*)—Historischer Verein in Mittelfranken.
- Arolsen** (*Waldeck*)—Landwirthschaftlicher Verein im Fürstenthum Waldeck.
- Augsburg** (*Bavaria*)—Historischer Verein für Schwaben und Neuburg.  
 Landwirthsch. Verein von Schwaben und Neuburg.  
 Naturhistorischer Verein.
- Bamberg** (*Bavaria*)—Naturforschende Gesellschaft.
- Bendorf** (*Prussia*)—Deutsche Gesellschaft für Psychiatrie und gerichtliche Psychologie.
- Berlin** (*Prussia*)—Seine Majestät der König von Preussen.  
 Acclimatisations-Verein für die Preuss. Staaten.  
 Botanischer Verein für die Provinz Brandenburg, etc.  
 Central Verein für das Wohl der arbeitenden Klassen.  
 Deutsche Geologische Gesellschaft.  
 Entomologischer Verein.  
 General-Direction der Königlichen Museen.  
 Gesellschaft für Erdkunde.  
 Gesellschaft Naturforschender Freunde.  
 Gewerbe-Institut.  
 Königliche Bibliothek.  
 Königliches Landes-Oeconomie-Collegium.

Königlich Preussische Akademie der Wissenschaften.  
 Königlich Preussischer Generalstab der Armee.  
 Königlich Preussische Kriegs-Akademie.  
 Königlich Preussische Technische Bau-Deputation.  
 Meteorologisches Institut.  
 Physikalische Gesellschaft.  
 Polytechnische Gesellschaft.  
 Redaction des Archivs für path. Anatomie.  
 Redaction des Landwirthschaftlichen Verein.  
 Redaction des Nautischen Jahrbuchs (Dr. C. Bremiker).  
 Redaction des Statistischen Central-Archivs (Dr. O. Hübner).  
 Statistisches Bureau.  
 Stenographischer Verein.  
 Universitäts-Bibliothek.  
 Universitäts-Sternwarte.  
 Verein Deutscher Ingenieure.  
 Verein für deutsche Statistik.  
 Verein für Eisenbahnkunde.  
 Verein zur Beförderung des Gartenbaues.  
 Verein zur Beförderung des Gewerbeleisses in Preussen.  
 Vereinigte Artillerie und Ingenieur Schule.

**Bernburg** (*Anhalt*)—Norddeutscher Apotheker-Verein.

**Bilk** (bei Düsseldorf) (*Prussia*)—Sternwarte.

• **Blankenburg** (*Brunswick*)—Naturwissenschaftlicher Verein des Harzes.

**Bonn** (*Prussia*)—K. Sternwarte.

Landwirthschaftlicher Central-Verein für Rheinpreussen.

Naturhistorischer Verein der preussischen Rheinlande und Westphalens.

Niederrheinische Gesellschaft für Natur u. Heilkunde.

Redaction des Wiegmann'schen Archivs für Naturgeschichte. (Prof. Troschel.)

Universitäts-Bibliothek.

Universitäts-Sternwarte.

Verein von Alterthumsfreunden im Rheinlande.

**Braunsberg**—Physikalisch-Medicinische Gesellschaft.

- Braunschweig** (*Brunswick*)—F. Vieweg und Sohn.  
Garten-Verein im Herzogthum Braunschweig.
- Bremen** (*Hanse-Town*)—Stadt-Bibliothek.  
Sternwarte.
- Breslau** (*Prussia*)—Blinden-Anstalt.  
Gewerbe-Verein.  
Königl. Preuss. Ober-Berg-Amt.  
Landwirthschaftlicher Central-Verein für Schlesien.  
Schlesische Blinden-Unterrichts-Anstalt.  
Schlesische Gesellschaft für vaterländische Cultur.  
Schlesischer Verein für Berg-und Hüttenkunde.  
Universitäts-Bibliothek.  
Universitäts-Sternwarte.  
Verein für schlesische Insektenkunde.
- Bregenz** (*Austria*)—Naturforschender Verein.
- Bromberg** (*Prussia*)—Landwirthschaftlicher Central-Verein für  
den Netze-District.
- Brünn** (*Austria*)—K. K. Mährisch-schlesische Gesellschaft für  
Ackerbau Natur- und Landeskunde.  
Mährisch-schlesische Blinden-Erziehungs-Institute.  
Werner-Verein zur geologischen Durchforschung von  
Mähren und Schlesien.
- Buda** (*Austria*)—Á Magyar Tudományos Akademia.
- Cassel.** See *Kassel*.
- Celle** (*Hannover*)—Landwirthschaftliche Gesellschaft.
- Clempenow bei Anclam** (*Prussia*)—Baltischer Verein zur  
Beförderung des Landwirthschaft.
- Coblenz.** See *Koblenz*.
- Cracau.** See *Krakau*.
- Czernowitz** (*Austria*)—Verein für Landeskultur und Landes-  
kunde im Herzogthume Bukowina.
- Danzig** (*Prussia*)—Landwirthschaftlicher Central-Verein.  
Naturforschende Gesellschaft.  
Sternwarte.
- Darmstadt** (*Hessia*)—Gartenbau-Verein.  
Grossherzoglich Hessische Central-Stelle für die Land-  
wirthschaft.

- Grossherz. Hessischer Gewerbe-Verein.  
 Grossherzogliche Hof-Bibliothek.  
 Mittelrheinisch-geologischer Verein.  
 Naturhistorischer Verein für das Grossherz. Hessen.  
 Verein für Erdkunde u. verwandte Wissenschaften.
- Deidesheim** (*Bavaria*)—Pollichia: Naturwissenschaftlicher  
 Verein der bayerischen Pfalz.
- Dessau** (*Anhalt*)—Naturhistorischer Verein.
- Dresden** (*Saxony*)—Seine Majestät der König von Sachsen.  
 Flora: Gesellschaft für Botanik und Gartenbau.  
 Gesellschaft für Natur- und Heilkunde.  
 Gesellschaft "Isis."  
 Gewerbe-Verein.  
 Königliche Bibliothek.  
 Königliche Blinden-Anstalt.  
 K. Sächsische Oekonomische Gesellschaft.  
 Königl. sächs. Verein für Erforschung und Erhaltung  
 vaterländischer Alterthümer.  
 K. Sammlung für Kunst u. Wissenschaften.  
 Sächsische Ingenieur-Verein.  
 Statistisches Bureau.
- Elberfeld** (*Prussia*)—Naturwissenschaftl. Verein v. Elberfeld  
 u. Barmen.
- Eldena** (*Prussia*)—Baltischer Central Verein.  
 Gartenbau Verein für Neuvorpommern und Rügen.  
 K. P. Staats- und landwirthschaftl. Akademie Eldena.
- Emden** (*Hannover*)—Naturforschende Gesellschaft.  
 Taubstummen Anstalt.
- Ems** (*Nassau*)—Redaction der Balneologischen Zeitung.
- Erfurt** (*Prussia*)—Akademie Gemeinnütziger Wissenschaften.  
 Gartenbau-Verein.
- Erlangen** (*Bavaria*)—Universitäts-Bibliothek.  
 Physikalisch-Medicinische Gesellschaft.
- Frankfurt-an-der-Oder** (*Prussia*)—Historisch-Statistischer  
 Verein.
- Frankfurt-am-Main** (*Hanse-Town*)—Aerztlicher Verein.  
 Gartenbaugesellschaft "Flora."

- Physikalischer Verein.  
 Senckenbergische naturforschende Gesellschaft.  
 Verein für Geographie und Statistik.  
 Zoologische Gesellschaft.
- Freiberg** (*Saxony*)—Königlich Sächsische Bergakademie.
- Freiburg** (*Baden*)—Gesellschaft für Beförderung der Naturwissenschaften.  
 Universitäts-Bibliothek.
- Friedberg** (*Hessia*)—Blinden-Anstalt.  
 Taubstummen-Anstalt.
- Fürth** (*Bavaria*)—Gewerbe-Verein der Stadt Fürth.
- Giessen** (*Hessia*)—Historischer Verein.  
 Oberhessische Gesellschaft für Natur- und Heilkunde.  
 Universitäts-Bibliothek.  
 Verein für Microscopie.  
 Zoologisches Museum.
- Görlitz** (*Prussia*)—Naturforschende Gesellschaft.  
 Oberlausitzer Gesellschaft der Wissenschaften.  
 Verein für Hühnerzucht.
- Göttingen** (*Hannover*)—Königliche Gesellschaft der Wissenschaften.  
 Sternwarte.  
 Universitäts-Bibliothek.
- Gotha** (*Saxe-Koburg-Gotha*)—Geographische Anstalt.  
 Herz. Bibliothek der Friedenstein'schen Sammlungen.  
 Sternwarte.  
 Thüringer Gartenbau-Verein.
- Grätz** (*Austria*)—Geognostisch-Montanistischer Verein für Steiermark.  
 Historischer Verein für Steiermark.  
 K. K. Steiermärkische Landwirthschafts-Gesellschaft.  
 Steiermärkisch-Ständisches Joanneum.  
 Steiermärkischer Industrie- und Gewerbe-Verein.
- Greifswald** (*Prussia*)—Universitäts-Bibliothek.
- Gumbinnen** (*Prussia*)—Landwirthschaftlicher Central-Verein für Littauen und Masuren.
- Hall** (*Austria*)—Verein zur Durchforschung Tirols und Vorarlbergs.

- Halle** (*Prussia*)—Naturforschende Gesellschaft.  
 Naturwissenschaftlicher Verein für Sachsen und Thüringen.  
 Thüringisch-Sächsischer Verein für vaterländische Alterthumskunde.  
 Universitäts-Bibliothek.
- Hamburg** (*Hanse-Town*)—Blinden-Anstalt.  
 Commerz-Bibliothek.  
 Johanneum.  
 Naturwissenschaftlicher Verein.  
 Stadt-Bibliothek.  
 Sternwarte.  
 Thierschutz-Verein.  
 Verein für Hamburgische Geschichte.  
 Verein für Handelsfreiheit.
- Hanau** (*Hessia*)—Wetterauer Gesellschaft für die gesammte Naturkunde.
- Hannover** (*Hannover*)—Gewerbe-Verein für das K. Hanover.  
 4 Königliche Bibliothek.  
 Naturhistorische Gesellschaft  
 Statistisches Bureau.
- Heidelberg** (*Baden*)—Naturhistorisch-medicinischer Verein.  
 Süddeutscher Apotheker Verein.  
 Universitäts-Bibliothek.
- Hermannstadt** (*Austria*)—Siebenbürgischer Verein für Naturwissenschaften.  
 Verein für Siebenbürgische Landeskunde.
- Hohenleuben** (*Saxony*)—Voigtländischer Alterthumsforschender Verein.
- Innsbruck** (*Austria*)—Ferdinandeam.  
 K. K. Landwirthschafts-Gesellschaft für Tirol und Vorarlberg.  
 Universitäts-Bibliothek.
- Jauer** (*Austria*)—Ökonomisch-patriotische Gesellschaft für das Fürstenthum Schweidnitz und Jauer.
- Jena** (*Saxe-Weimar*)—Kaiserliche Leopoldino-Carolinische Deutsche Akademie.  
 Redaction der Zeitschrift für Deutsche Landwirthe.

- Joachimsthal** (*Austria*)—Montanistischer Verein.
- Karlsruhe** (*Baden*)—Badischer Alterthums-Verein.  
Centralstelle für die Landwirthschaft.  
Gewerbe Verein.  
Grossherzogliche Hofbibliothek.
- Kassel** (*Hessia*)—K. Commission für Landwirthschaftliche Angelegenheiten in Kurhessen.  
Kurhessische Landes Bibliothek.  
Redaction des Journals für Ornithologie.  
Verein für Hessische Landeskunde.
- Kiel** (*Holstein*)—Landwirthschaftlicher Generalverein des Herzogthums Holstein.  
S. H. L. Gesellschaft für die Sammlung und Erhaltung vaterl. Alterthümer.  
Schleswig-Holstein-Lauenburgische Gesellschaft für vaterländische Geschichte.  
Universitäts-Bibliothek.  
Verein nordlich der Elbe für Verbreitung naturwissenschaftlicher Kenntnisa.
- Klagenfurt** (*Austria*)—Geschichts-Verein für Kärnten.  
Kärntnischer Industrie u. Gewerbe-Verein.  
K. K. Landwirthschafts-Gesellschaft.  
Naturhistorisches Museum.
- Klausenburg** (*Austria*)—Erdélyi Muzeum Eglyet (Society of the Transylvanian Museum).
- Klausthal** (*Hannover*)—Naturwissensch. Verein "Maja."
- Koblenz** (*Prussia*)—Naturhistorischer Verein.
- Koburg** (*Saxe-Koburg-Gotha*)—Verein für Naturkunde im Herzogthum Sachsen-Koburg.
- Köln**—Hist. Verein für den Niederrhein.  
Landwirthschaftlicher Verein.
- Königsberg** (*Prussia*)—Centralstelle der Landwirthschaftlichen Vereine des Regierungs-Bezirks Königsberg.  
Östpreussische Physikalisch-Ökonomische Gesellschaft.  
Physikalisch-Medicinische Gesellschaft.  
Preuss. Provinzial Verein für Blinden Unterricht.  
Sternwarte.  
Universitäts-Bibliothek.

- Krakau** (*Austria*)—C. K. Towarzystwo Naukowe Krakowskie.  
(Society of Science of Cracow.)  
Uniwersytet Krakowski.  
Sternwarte.
- Kremsmünster** (*Austria*)—Sternwarte.
- Laibach** (*Austria*)—Landes-Museum.  
Histor. Verein für Krain.
- Leipzig** (*Saxony*)—Dr. Felix Flügel (*Agent Smithsonian Institution*).  
Deutsche Morgenländische Gesellschaft.  
F. A. Brockhaus' Verlagsbuchhandlung.  
Fürstlich Jablonowski'sche Gesellschaft.  
Königlich Sächsische Gesellschaft der Wissenschaften.  
Naturforschende Gesellschaft.  
Polytechnische Gesellschaft.  
Stadt-Bibliothek.  
Taubstummen Anstalt.  
Universitäts-Bibliothek.  
Universitäts-Sternwarte.
- Lemberg** (*Austria*)—Biblioteka Zaklada Ossolinskich.
- Liegnitz** (*Prussia*)—Landwirthschaftlicher Verein.
- Linz** (*Austria*)—Handels- und Gewerbekammer Oberösterreichs.  
Museum Francisco-Carolinum.
- Lübeck** (*Hanse-Town*)—Bibliothek zu S. Catharinen.  
Kunst- und Naturalien Cabinet.  
Museum für Kunst und Natur.  
Verein für lübeckische Geschichte.
- Ludwigshafen** (——)—Versammlung Rheinscher Naturforscher.
- Lüneburg** (*Hannover*)—Naturwissenschaftlicher Verein.  
Alterthums-Verein.
- Luxembourg** (*Luxenburg*)—Société des Sciences Naturelles  
du Grand-Duché de Luxembourg.
- Mainz** (*Hessia*)—Grossherzoglich Handels-Kammer.  
Rheinische Naturforschende Gesellschaft.
- Mannheim** (*Baden*)—Sternwarte.  
Verein für Naturkunde.



- Marburg** (*Hessia*)—Gesellschaft zur Beförderung der gesammten Naturwissenschaften.  
Sternwarte.  
Universitäts-Bibliothek.
- Marienwerder** (*Prussia*)—Verein Westpreussischer Landwirthe.
- Meiningen** (*Saxe-Meiningen*)—Verein für Pomologie und Gartenbau.
- Meissen** (*Saxony*)—Naturwissenschaftliche Gesellschaft "Isis."
- Mengeringhausen** (*Waldeck*)—Landwirthschaftlicher Verein im Fürstenthume Waldeck.
- Merseburg** (*Prussia*)—Landwirthschaftlicher Central-Verein für die Provinz Sachsen.
- München** (**Munich**) (*Bavaria*)—Historischer Verein für Oberbaiern.  
Königlich Baierische Akademie der Wissenschaften.  
Königl. Botanischer Garten.  
Königliche Hof- und Staats-Bibliothek.  
K. Quartiermeister Stab.  
Königl. Staats-Ministerium.  
K. Universitäts-Bibliothek.  
Landwirthschaftlicher Verein.  
Polytechnischer Verein.  
Sternwarte.  
Verein für Naturkunde.
- Münster** (*Prussia*)—Landwirthschaftlicher Central-Verein für Westphalen.
- Neu-Brandenburg** (*Mecklenburg*)—Verein der Freunde der Naturgeschichte in Mecklenburg.
- Nordhausen** (*Prussia*)—Wissensch. Verein.
- Nürnberg** (*Bavaria*)—Germanisches Museum.  
Naturhistorische Gesellschaft.
- Offenbach** (*Hessia*)—Verein für Naturkunde.
- Oldenburg** (*Oldenburg*)—Grossherzogliche Bibliothek.
- Olmütz** (*Austria*)—K. K. Studien Bibliothek.
- Passau** (*Bavaria*)—Naturhistorischer Verein.  
Praktische Gartenbau-Gesell. in Baiern.

- Pesth** (*Austria*)—Geologische Gesellschaft für Ungarn.  
 Kiralyi Magyar Termeszettudományi Társulat. (Ungarischer Naturwissenschaftlicher Verein).  
 K. K. Obergymnasium.  
 K. K. Sternwarte.  
 Magyar Nemzeti Museum (Hungarian National Museum).  
 Magyar Tudós Társaság. (Ungarische Gelehrte Gesellschaft.)  
 Pesther Handels-Akademie.  
 Universitäts-Bibliothek.
- Plauen** (*Saxony*)—Verein für Natur- und Heilkunde.
- Posen** (*Prussia*)—Bibliothèque de Kurnik.  
 Raczyński Bibliothek.
- Potsdam** (*Prussia*)—Botanischer Verein für die Provinz Brandenburg.  
 Landwirthschaftlicher Provinzial-Verein.  
 Verein zur Beförderung des Seidenbaues.
- Prag** (*Austria*)—Böhmischer Gewerbe-Verein.  
 Königlich Böhmisches Gesellschaft der Wissenschaften.  
 Königlich Böhmisches Museum.  
 K. K. Patriotisch-ökonomische Gesellschaft.  
 K. K. Sternwarte.  
 Medicinische Facultät.  
 Naturhistorischer Verein "Lotos."  
 Schafzüchter-Verein für Böhmen.  
 Universitäts-Bibliothek.
- Premslaff** (bei **Labes**) (*Prussia*)—Pommersche Ökonomische Gesellschaft.
- Pressburg** (*Austria*)—Verein für Naturkunde.
- Regensburg** (*Bavaria*)—Historischer Verein für die Ober-Pfalz.  
 K. Baierische Apotheker Verein.  
 K. Baierische botanische Gesellschaft.  
 Zoologisch-Mineralogischer Verein.
- Rostock** (*Mecklenburg*)—Naturwissenschaftliches Institut der Universität.  
 Mecklenburgische Naturforschende Gesellschaft.  
 Universitäts-Bibliothek.

- Salzburg** (*Austria*)—K. K. Landwirtschafts Gesellschaft.  
 ● Vaterländisches Museum Carolino-Augusteam.
- Schwerin** (*Mecklenburg-Schwerin*)—Grossherzogliches Statistisches Bureau.  
 Regierungs-Bibliothek.  
 Verein für Mecklenburgische Geschichte und Alterthumskunde.
- Sigmaringen** (*Prussia*)—Landwirtschaftliche Centralstelle des Vereins zur Beförderung der Landwirtschaft und der Gewerbe für die Hohenzollernschen Lande.
- Sondershausen** (*Schwarzburg-Sondershausen*)—Verein zur Beförderung der Landwirtschaft.
- Speier** (*Bavaria*)—Historischer Verein für Rheinbaiern.  
 Sternwarte des Königl. Lyzeums in Speier.
- Stettin** (*Prussia*)—Entomologischer Verein.  
 Gesellschaft für pommersche Geschichte und Alterthumskunde.
- Stuttgart** (*Württemberg*)—Seine Majestät der König von Württemberg.  
 Gartenbau-Gesellschaft "Flora."  
 Gesellschaft für die Weinverbesserung in Württemberg.  
 Gewerbe-Verein.  
 Heilgymnastisches Institut.  
 K. Centralstelle für die Landwirtschaft.  
 K. Centralstelle für Gewerbe und Handel.  
 K. Öffentliche Bibliothek.  
 K. Statistisch-topographisches Bureau.  
 Königliches Staats Archiv.  
 Verein Deutscher Eisenbahn-Verwaltungen.  
 Verein für Vaterländ. Naturkunde in Württemberg.  
 Verein zur Fürsorge für entlassene Strafgefangene.  
 Württembergischer Alterthums-Verein.  
 Württembergischer Ärztlicher Verein.
- Tharand** (*Saxony*)—Königlich Sächs. Akademie für Forst- und Landwirthe.
- Trier** (*Prussia*)—Gesellschaft für nützliche Forschungen.
- Trieste** (*Austria*)—Civico Museo Ferdinando-Massimiliano.  
 Gartenbau-Gesellschaft des Litorale.

- K. K. Hydrographische-Anstalt und Marine-Sternwarte (Director, Dr. Schaub).
- K. K. Nautische Akademie (Director, H. Littrow).
- Tübingen** (*Württemberg*)—Landwirthschaftlicher Verein.  
Universitäts-Bibliothek.
- Vicenza** (*Austria*)—Accademia Olimpica.
- Weilburg** (*Nassau*)—Verein Nassauischer Ärzte.
- Weimar** (*Saxe-Weimar*)—Geographisches Institut.  
Verein für Blumistik und Gartenbau.
- Wien** (*Vienna*) (*Austria*)—Seine Kaiserlich-Königliche Majestät der Kaiser von Österreich.  
Central-Verein Deutscher Zahnärzte.  
Comité der Allgemeinen Versammlung von Berg- und Hüttenmännern.  
Kaiserliche Akademie der Wissenschaften.  
K. K. Central-Anstalt für Meteorologie u. Erd-Magnetism.  
K. K. Direction des Administrativen Statistik.  
K. K. Gartenbau-Gesellschaft.  
K. K. Geographische Gesellschaft.  
K. K. Geologische Reichsanstalt.  
K. K. Handels-Ministerium.  
K. K. Hofbibliothek.  
K. K. Hof- und Staatsdruckerei.  
K. K. Landwirthschafts-Gesellschaft.  
K. K. Naturalien Kabinet.  
K. K. Ober-Gymnasium zu den Schotten.  
K. K. Orientalische Akademie.  
K. K. Sternwarte.  
K. K. Zoologisch-Botanische Gesellschaft.  
Niederösterreichische Gewerbe-Verein.  
Österr. Ingenieur-Verein.  
Polytechnische Gesellschaft.  
Redaction der Entomologischen Monatschrift.  
Redaction der Österreichischen Zeitschrift für praktische Heilkunde.  
Universitäts-Bibliothek.
- Wiesbaden** (*Nassau*)—Gewerbe-Verein für das Herzogthum Nassau.

Verein für Nassauische Geschichte u. Alterthums-  
kunde.

Verein für Naturkunde.

**Worms** (*Hesse Darmstadt*) Grossherz. Handels-Kammer.

Verein Nassauischer Land- und Forstwirthe.

**Würzburg** (*Bavaria*)—Historischer Verein von Unterfranken  
und Aschaffenburg.

Physikalisch-Medicinische Gesellschaft.

Polytechnischer Verein.

Universitäts-Bibliothek.

**Zara** (*Austria*)—Società Economica di Dalmazia.

### SWITZERLAND.

Allgemeine Schweizerische Gesellschaft für die gesammten Natur-  
wissenschaften. (See *Bern*.)

Versammlung Schweizerischer Naturforscher.

**Aarau**—Aargauische Naturforschende Gesellschaft.

**Basel**—Gesellschaft für vaterländische Alterthümer.

Gesellschaft zur Beförderung des Guten und Gemein-  
nützigen.

Naturforschende Gesellschaft.

Universitäts-Bibliothek.

**Bern**—Allgemeine Schweizerische Gesellschaft für die gesammten  
Naturwissenschaften.

Conseil Fédéral Suisse. (Schweizerisches Bundes  
Rath.)

Eidgenössisches Statistisches Bureau.

Kanton-Schule.

Naturforschende Gesellschaft.

Sternwarte.

Universitäts-Bibliothek.

**Chur**—Naturforschende Gesellschaft Graubündens.

**Genève**—Bibliothèque de la Ville.

Institut National Genevois.

Observatoire.

Société des Arts de Genève.

Société Genevoise d'Utilité Publique.

Société d'Histoire et d'Archéologie de Genève.

Société de Géographie.  
Société de Physique et d'Histoire Naturelle.  
Société Médicale.

**Lausanne**—Asile des Aveugles de Lausanne.  
Bibliothèque Cantonale Vaudoise.  
Société d'Histoire de la Suisse Romande.  
Société Vaudoise des Sciences Naturelles.  
Société Industrielle d'Horlogerie.

**Neuchâtel**—Société des Sciences Naturelles.

**St. Gallen**—Naturwissenschaftliche Gesellschaft.

**Sion**—Société Valaisanne des Sciences Naturelles.

**Solothurn**—Naturforschende Gesellschaft.

**Yverdon**—Institut des Sourds-Muets à Yverdon.

**Zürich**—École Polytechnique Fédérale.  
Gesellschaft für Vaterländische Alterthümer.  
Naturforschende Gesellschaft.  
Universitäts-Bibliothek.

### BELGIUM.

**Anvers (Antwerp)**—Académie d'Archéologie.  
Société de Pharmacie.  
Société Royale des Sciences.

**Bruxelles (Brussels)**—Académie Royale des Sciences, des  
Lettres et des Beaux-Arts de Belgique.  
Bibliothèque Royale de Belgique.  
Établissement Géographique de Bruxelles.  
Société Centrale d'Agriculture de Belgique.  
Société Paléontologique de Belgique.  
Observatoire Royal.  
Société des Gens de Lettres Belges.  
Société Royale Linnéenne de Bruxelles.  
Société de Flora.

**Gand (Ghent)**—Université.  
Société Royale d'Agriculture et de Botanique.

**Liège**—Société Royale des Sciences.  
Société des Sciences Naturelles.

**Louvain**—Université Catholique.

**Mons**—Société des Sciences, des Arts et des Lettres du Hainaut.

## FRANCE.

- Institut des Provinces de France.  
 Congrès Scientifique de France.
- Abbeville**—Société Linnéenne du Nord du France.  
 Société Impériale d'Emulation.
- Aix** (*Bouche du Rhone*)—Académie des Sciences, Agriculture,  
 Arts et Belles-Lettres.
- Amiens**—Société des Antiquaires de Picardie.  
 Société Linnéenne du Département de Maine-et-Loire.
- Angers**—Société d'Agriculture, Sciences et Arts.  
 Société Académique de Maine-et-Loire.
- Angoulême**—Société d'Agriculture, Arts et Commerce du  
 Dép. de la Charente.
- Arcueil**—Société d'Arcueil.
- Arras**—Société d'Arras.
- Bayeux**—Société d'Agriculture, Sciences, Arts et Belles-Lettres.
- Beauvais**—Société Académique d'Archéologie, Sciences, et  
 Arts du Département de l'Oise.
- Besançon**—Académie des Sciences, Belles-Lettres et Arts.
- Béziers** (*Hérault*)—Société Archéologique.
- Bordeaux**—Acad. Impériale des Sciences, Belles-Lettres et Arts.  
 Chambre de Commerce.  
 Société d'Horticulture de la Gironde.  
 Société des Sciences Physiques et Naturelles.  
 Société Philomathique de Bordeaux.  
 Société Linnéenne de Bordeaux.
- Brest**—Bibliothèque de la Marine Impériale.
- Caen**—Académie des Sciences, Arts et Belles-Lettres.  
 Société d'Agriculture et de Commerce de Caen.  
 Société des Antiquaires de Normandie.  
 Société Linnéenne de Normandie.  
 Société de Médecine de Caen.
- Chambéry**—Société Imp. Académique de Savoie.  
 Académie Impériale de Savoie.

- Châlons-sur-Marne**—Société d'Agriculture, Commerce et Sciences de la Marne.
- Cherbourg**—Société Académique de Cherbourg.  
Société Imp. des Sciences Naturelles de Cherbourg.
- Clermont-Ferrand**—Académie des Sciences, Belles-Lettres et Arts.
- Dijon**—Académie des Sciences, Arts et Belles-Lettres de Dijon.  
Société d'Agriculture et d'Industrie Agricole du Département de la Côte d'Or.
- Douai**—Muséum d'Histoire Naturelle.
- Dunkerque**—Société Dunkerquoise pour l'Encouragement des Sciences.
- Evreux**—Société Libre d'Agriculture, Sciences, Arts et Belles-Lettres de l'Eure.
- Le Mans**—Société d'Agriculture, Science et Arts de la Sarthe.
- Lille**—Société Impériale des Sciences, de l'Agriculture et des Arts.
- Lyon**—Société Impériale de l'Agriculture, Histoire Naturelle et Arts Utiles de Lyon.  
Académie des Sciences, Belles-Lettres et Arts de Lyon.  
Société Linnéenne de Lyon.  
Société Hydrométrique de Lyon.
- Mâcon**—Acad. de Mâcon : Soc. des Arts, Belles-Lettres et d'Agriculture.
- Marseille**—Académie des Sciences, Lettres et Arts.  
Observatoire.
- Mende**—Société d'Agriculture, Industrie, Sciences et Arts du Département de la Lozère.
- Metz**—Académie Impériale de Metz.  
Société d'Histoire Naturelle du Département de la Moselle.  
Société des Sciences Médicales.
- Montpellier**—Société Archéologique de Montpellier.  
Académie des Sciences et Lettres de Montpellier.  
Société Générale d'Encouragement à la Sericulture.
- Moulins**—Société d'Horticulture de l'Allier.
- Mulhouse**—Société Industrielle.



- Nancy**—Académie de Stanislas.
- Nîmes**—Académie du Gard.
- Orléans**—Société des Sciences, Belles-Lettres et Arts d'Orléans.  
Société Archéologique de l'Orléanaise.
- Paris**—Sa Majesté Impériale l'Empereur des Français.  
Gustave Bossange et Co. (*Agents of the Smithsonian Institution*).  
Académie Impériale de Médecine.  
American Library.  
Bibliothèque de la Ville de Paris.  
Bibliothèque du Jardin des Plantes.  
Bibliothèque Impériale.  
Bureau des Longitudes.  
Conservatoire des Arts et Métiers.  
Dépot des Cartes et Plans.  
École Impériale des Mines.  
École Impériale et Spéciale des Langues orientales vivantes.  
École Polytechnique.  
Institut de France.  
Institut Historique de France.  
Ministère de la Guerre.  
Ministère de la Marine.  
Ministère de l'Instruction Publique et des Cultes.  
Observatoire Impérial.  
Société d'Anthropologie.  
Société des Antiquaires.  
Société Asiatique.  
Société Botanique de France.  
Société de Biologie.  
Société de Géographie.  
Société de l'École des Chartes.  
Société d'Encouragement pour l'Industrie Nationale.  
Société Entomologique.  
Société de Pharmacie.  
Société Française pour la conservation des Monuments Historiques.  
Société Française de Statistique Universelle (*Acad. Nat. Agr. Manufactur. et Comerciale*).

Société Géologique de France.  
 Société Impériale et Centrale d'Horticulture de Paris.  
 Société d'Horticulture de la Seine.  
 Société Médicale Allemande de Paris.  
 Société Météorologique de France.  
 Société Impériale et Centrale d'Agriculture.  
 Société Orientale de France.  
 Société Philomatique.  
 Société Polytechnique.  
 Société de Secours des Amis des Sciences.  
 Société Zoologique d'Acclimatation.

**Puy**—Société d'Agriculture, Sciences, Arts et Commerce.

**Reims**—Académie de Reims.

Muséum d'Histoire Naturelle de Reims.

Société des Sciences Naturelles.

**Rouen**—Académie des Sciences, Belles-Lettres et Arts de Rouen.

**Saint-Quentin**—Société des Sciences, Arts, Belles-Lettres, et  
 Agriculture.

Société Académique.

**Strasbourg**—Société des Sciences Naturelles de Strasbourg.

Société des Sciences, Agriculture et Arts du Bas-  
 Rhin.

**Tarbes**—Société Académique des Hautes-Pyrénées.

**Toulon**—Académie Navale.

**Toulouse**—Académie des Sciences, Inscriptions et Belles-Lettres  
 de Toulouse.

Société Impériale de Médecine, Chirurgie et Phar-  
 macie de Toulouse.

**Tours**—Société d'Agriculture, des Sciences, des Arts et des Belles-  
 Lettres.

**Troyes**—Société d'Agriculture, Sciences, Arts, et Belles-Lettres  
 de l'Aube.

## ITALY.

**Arezzo** (*Tuscany*)—Accademia di Scienze, Lettere ed Arti.

**Bergamo**—Società Industriale Bergamasca.

- Bologna**—Accademia delle Scienze dell' Istituto di Bologna.  
 Regio Istituto Geologico.  
 Repertorium Italicum di Bianconi.  
 Scuola Anatomica di Bologna.  
 Società agraria della Provincia di Bologna.  
 Società Medico-Chirurgica.
- Brescia**—Ateneo di Brescia.
- Catania**—Accademia Gioenia di Scienze Naturali.
- Firenze (Florence)**—Accademia del Cimento.  
 Accademia della Crusca.  
 Accademia economico-agraria dei Georgofili.  
 Biblioteca Magliabecchiana.  
 Osservatorio.  
 Reale Museo di Fisica e Storia Naturale di Firenze.
- Genova (Genoa)**—Accademia delle Scienze, Lettere, ed Arti.  
 Accademia Medico-chirurgica di Genova.  
 Arch. per la Zoologia, l'Anatomia e la Physiologia.  
 Osservatorio.  
 Università.
- Lucca**—Reale Accademia Lucchese di Scienze, Lettere ed Arti.
- Milano**—Associazione Agricola Lombarda di Corte del Palasio.  
 Ateneo di Scienze, Lettere ed Arti.  
 Istituto Tecnico.  
 Museo Civico di Storia Naturale.  
 Museo di Storia Naturale dei fratelli Villa.  
 Nazionale Biblioteca di Brera.  
 Ospedale Maggiore di Milano.  
 Osservatorio.  
 Reale Accademia di Belle Arti.  
 Reale Istituto nazionale di Scienze, Lettere ed Arti.  
 Società d'Incoraggiamento d'Arti e Mestieri.  
 Società Geologica.  
 Società Italiana di Scienze Naturali.  
 Società patriottica d'Incoraggiamento di Scienze, Lettere ed Arti.
- Modena**—Accademia di Scienze, Lettere et Arti.  
 Osservatorio.  
 Società Italiana delle Scienze.

**Modigliana**—Accademia Scientifico-letteraria.

**Napoli (Naples)**—Accademia degli Aspiranti Naturalisti.

Biblioteca Reale.

Osservatorio.

Reale Accademia delle Scienze e Belle Lettere.

R. Istit. d'Incoraggiamento alle Scienze Naturali.

R. Orto Botanico di Napoli.

Regale Accademia Ercolanese di Archeologia.

**Padova (Padua)**—Imperiale Regia Accademia di Scienze,  
Lettere ed Arti di Padova.

Osservatorio.

**Palermo**—Accademia Palermitana di Scienze e Lettere.

Osservatorio.

Società di Acclimazione e di Agricoltura in Sicilia.

**Pesaro**—Accademia Agraria di Pesaro.

**Pisa**—Accademia Valdarnese del Poggio.

University Library.

**Ravenna**—Società Ravennate.

**Roma**—Accademia Pontificia dei Nuovi Lincei.

Accademia Romana di Archeologia.

Biblioteca Vaticana.

British Academy of Fine Arts.

Corrispondenza Scientifica in Roma.

Osservatorio Astronomico del Collegio Romano.

**Siena**—Accademia delle Scienze.

Università (including Osservatorio).

**Torino (Turin)**—Accademia Reale delle Scienze.

Accademia Reale di Agricoltura.

Accademia Reale Medico-Chirurgica.

Osservatorio.

Regia Biblioteca.

Regio Deputazione Sovra gli Studii di Storia Patria.

Regio Museo di Storia Naturale.

Regia Università.

**Udine**—Associazione Agraria Friulana.

**Venezia (Venice)**—Accademia di Belle Arti.

Ateneo Veneto.

Biblioteca Marciana.

I. R. Istituto Veneto di Scienze, Lettere ed Arti.  
Mechitaristen-Collegium.

**Verona**—Accademia d'Agricoltura, Commercio ed Arti di  
Verona.

### PORTUGAL.

**Coimbra**—University.

**Lisboa (Lisbon)**—Academia Real das Sciencias.  
Biblioteca Nacional.  
Observatory.

### SPAIN.

**Barcelona**—Real Academia de Buenas Letras de Barcelona.

**Madrid**—Acad. de las tres Nobles Artes de San Fernando.  
Biblioteca Real.  
Real Academia de Ciencias de Madrid.  
Real Academia de Ciencias Morales y Politicas.  
Real Academia de la Historia.  
Real Academia Española.

**San Fernando**—Observatorio Marino.

### GREAT BRITAIN AND IRELAND.

**Aberdeen**—Observatory.  
Philosophical Society.

**Armagh**—Observatory. (Care of Rev. Dr. Robinson.)

**Bath**—Bath and West of England Agricultural Society.

**Belfast**—Belfast Institution.  
Chemico-Agricultural Society of Ulster.  
Library of Queen's College.  
Natural History and Philosophical Society.

**Berwick-on-Tweed**—Berwickshire Naturalists' Club.

**Bristol**—Bristol Institution for the Advancement of Science,  
Literature and the Fine Arts.  
City Library.

**Cambridge**—Cambridge Antiquarian Society.  
Cambridge Free Library.  
Cambridge Observatory.

Cambridge Philosophical Society.  
University Library.

**Cirencester**—Royal Agricultural College.

**Cork**—Cuvierian Society.

Library of Queen's College.  
Royal Cork Institution.

**Dublin**—Catholic College of Ireland.

Chemical Society of Dublin.  
Dublin University Philosophical Society.  
Dublin University Zoological and Botanical Association.  
Geological Society of Dublin.  
Irish Archaeological and Celtic Society.  
Library of Trinity College.  
Observatory.  
Royal Dublin Society.  
Royal Irish Academy.  
Royal Zoological Society of Ireland.

**Durham**—Observatory.

**Edinburgh**—Bannatyne Club.

Botanical Society.  
Caledonian Horticultural Society.  
Edinburgh New Philosophical Journal.  
Geological Society.  
Highland and Agricultural Society of Scotland.  
Library of Faculty of Advocates.  
Meteorological Society of Scotland.  
Royal Institution for Encouragement of Fine Arts  
in Scotland.  
Royal Observatory.  
Royal Physical Society.  
Royal Scottish Society of Arts.  
Royal Society of Edinburgh.  
Sir David Brewster.  
Society of Antiquaries of Scotland.  
Spalding Club.  
University Library.

**Eton**—Eton College.

- Falmouth**—Royal Cornwall Polytechnic Society.
- Galway**—Library of Queen's College.
- Glasgow**—Andersonian Institute.  
Philosophical Society.  
University Library.  
Geological Society.
- Greenwich**—Royal Observatory.
- Hull**—Royal Institution.
- Isle of Wight**—Philosophical and Scientific Society.
- Kensington**—South Kensington Museum.
- Kew**—Library of Kew Gardens.  
Observatory.
- Kilkenny**—Kilkenny and Southeast of Ireland Archæological Society.
- Leeds**—Geological and Polytechnic Society of the West Riding of Yorkshire.  
Leeds Philosophical and Literary Society.
- Leicester**—Leicester Literary and Philosophical Society.
- Liverpool**—Free Public Library, Museum, and Gallery of Art, of the Town of Liverpool.  
Geological Society.  
Historic Society of Lancashire and Cheshire.  
Literary and Philosophical Society.  
Liverpool Naturalist's Field Club.  
Liverpool Polytechnic Society.  
Observatory.  
Royal Institution.
- London**—Her Majesty the Queen of Great Britain and Ireland.  
William Wesley, Bookseller, 2 Queen's Head Passage, Paternoster Row, E. C. (*Agent Smithsonian Institution*).  
Aborigines Protection Society.  
Annals and Magazine of Natural History.  
Archæological Institute of Great Britain and Ireland  
Architectural Publication Society.  
Athenæum Club.  
Mr. Bishop's Observatory, Regent's Park, London.  
Board of Admiralty.

Board of Trade.  
British Archæological Association.  
British Association for the Advancement of Science.  
British Government.  
British Museum.  
Camden Society.  
Chemical Society of London.  
Department of Practical Art.  
Duke of Northumberland.  
Entomological Society.  
Ethnological Society of London.  
Geological Association.  
Geological Society of London.  
Great Seal Patent Office.  
Hakluyt Society.  
Horticultural Society of London.  
Hydrographical Office.  
The Ibis, a Magazine of General Ornithology.  
Institute of Actuaries of Great Britain and Ireland.  
Institution of Civil Engineers.  
Library of the Hon. the East India Company.  
Library of Committee of Privy Council for Trade.  
Library of Corporation of City of London.  
Library of the House of Commons.  
Linnæan Society.  
London and Middlesex Archæological Society.  
London, Edinburgh, and Dublin Philosophical Magazine.  
London Institution (Finsbury Circus).  
London Library.  
London Mechanics' Institution.  
Meteorological Society.  
Microscopical Society.  
Museum of Practical Geology.  
National Association for the Promotion of Social Science.  
Nautical Almanac Office.  
Numismatic Society.  
Palæontographical Society.  
Pharmaceutical Society.



- Philological Society.  
 Photographic Society.  
 Ray Society.  
 Redhill Observatory.  
 Royal Agricultural Society of England.  
 Royal Asiatic Society.  
 Royal Astronomical Society.  
 Royal Botanic Society.  
 Royal College of Surgeons of England.  
 Royal Geographical Society of London.  
 Royal Institution of Great Britain.  
 Royal Medical and Chirurgical Society.  
 Royal Society of Literature.  
 Royal Society of London.  
 Society of Antiquaries of London.  
 Society for the Encouragement of Arts, Manufactures,  
 and Commerce.  
 Statistical Society of London.  
 Syro-Egyptian Society.  
 University College.  
 Zoological Society of London.
- Manchester**—Literary and Philosophical Soc. of Manchester.  
 Geological Society.  
 Manchester Field Naturalists' Society.  
 Manchester Free Library and Museum.
- Markree** (Collooney, Ireland)—Observatory (of Mr. Edward Cooper).
- Maynooth**—College Library.
- Newcastle-upon-Tyne**—Literary and Philosophical Society.  
 Antiquarian Society.  
 Natural History Society of Northumberland, Durham,  
 and Newcastle-upon-Tyne.  
 Tyneside Naturalists' Field Club.
- Norwich**—Norfolk and Norwich Museum.
- Oxford**—Ashmolean Society.  
 Bodleian Library.  
 Oxford Free Library.  
 Oxford University Entomological Society.  
 Radcliffe Observatory.

- Peebles**—The Chambers Institution.  
**Penzance**—Royal Geological Society of Cornwall.  
**Plymouth**—Plymouth Museum.  
**Red Hill**—R. Carrington's Observatory.  
**St. Andrews**—University Library.  
**Salford**—Salford Borough Royal Museum and Library.  
**Southampton**—Ordnance Trigonometrical Survey of Great Britain and Ireland.  
**Stonyhurst**—Stonyhurst College.  
**Taunton**—Somersetshire Archæological and Natural History Society.  
**Woolwich**—Royal Military Academy.  
 Royal Artillery Institution.  
**York**—York Philosophical Society.

**GREECE.**

- Athens**—Observatory.  
 University Library.

**TURKEY.**

- Belgrad** (*Serbia*)—Drushtvo srbske Slovesnosti (Society of Serbian Literature).  
 Praviteljstvena Biblioteka (State Library).  
 Serbische Literatur Gesellschaft.  
**Constantinople**—His Imperial Majesty the Sultan.  
 Société Orientale de Constantinople.

**AFRICA.**

- Cape Town**—Public Library.  
 Royal Observatory.  
 South African Museum.  
**Constantine**—Société Archéologique de la Province de Constantine.  
**Grand Cairo**—Bibliothèque Centrale.  
 The Egyptian Society.  
**Liberia**—Government Library.

**Mauritius**—Société d'Histoire Naturelle de l'Isle Maurice.

**St. Helena**—St. Helena Library.

### ASIA.

**Allahabad**—Mission College.

**Batavia**—Bataviaasch Genootschap van Kunsten en Wetenschappen.

Geneeskundige Vereeniging in Nederlandsch Indie  
(Medical Association).

Natuurkundige Vereeniging in Nederlandsch Indie.

Nederlandsch Indische Maatschappij van Nijverheid  
(Industrial Society).

**Bombay**—Bombay Government.

Bombay Mechanic's Institution.

Geographical Society.

Magnetical and Meteorological Observatory.

Royal Asiatic Society.

**Calcutta**—Asiatic Society.

Agricultural and Horticultural Society of India.

Geological Survey of India.

Medical and Physical Society.

**Ceylon**—Asiatic Society.

Batticotta Seminary.

**Hong Kong**—Asiatic Society of China.

**Madras**—Literary Society.

Observatory.

**Manilla**—Royal Economical Society of the Phillipine Islands.

**Neilgherries**—Public Library.

**Rourkee**—Thomason College.

**Shanghai**—Royal Asiatic Society of China (North China Branch).

### AUSTRALIA.

**Hobarton** (*Tasmania*)—Magnetic and Meteorological Observatory.

Mechanics' Institute.

Public Library.  
Royal Society of Tasmania.

**Launceston** (*Tasmania*)—Launceston Public Library.  
Mechanics' Institute and School of Arts.  
Royal Society (branch of that at Hobarton).

**Melbourne**—National Museum of Victoria.  
Philosophical Society of Victoria.  
University of Melbourne.

**Sydney**—Australian Horticultural and Agricultural Society.  
Observatory.  
Philosophical Society of New South Wales.  
University of Sydney.

#### POLYNESIA.

**Honolulu** (*Sandwich Islands*)—Royal Hawaiian Agricultural Society.

#### AMERICA (exclusive of British America).

**Bogota** (*New Grenada*)—Sociedad Economica de Amigos del Pais.

Sociedad de Naturalistas Neo-Granadinos.

**Caracas** (*Venezuela*)—Sociedad Economica de Amigos del Pais.

**Chuquisaca** (*Bolivia*)—University.

**Georgetown** (*British Guiana*)—Observatory.

**Guatemala** (*Guatemala*)—Sociedad Economica de Amigos del Pais.

**Habana** (*Cuba*)—Real Sociedad Economica de la Habana.  
Real Universidad de la Habana.

**Kingston** (*Jamaica*)—Royal Society of Arts of Jamaica.

**Lima** (*Peru*)—Universidad.

**Mexico** (*Mexico*)—Colegio de Minerea.

El Museo Nacional.

Escuela de Agricultura.

Sociedad Mexicana de Geografia y Estadistica.

**Paramaribo** (*Surinam*)—Surinaamsche Koloniale Bibliotheek.

**Rio Janeiro** (*Brazil*)—British Library.

Historical and Geographical Institute of Brazil.

Imperial Brazilian Historical Society.

Nautical Observatory.

Royal Geographical Society.

Sociedad Auxiliadora de Industria Nacional.

**Santiago** (*Chile*)—Academia Militar.

Biblioteca Nacional.

El Plano Topographico.

Ministro de Instruccion Publico.

Observatorio Nacional de Santiago.

Universidad de Chile.

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**LIST OF FOREIGN CORRESPONDENTS**  
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- Acclimation and Agriculture.**  
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- Actuaries.**  
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- Agents Smithsonian Institution.**  
377. Leipzig. Dr. Felix Flügel. 15.  
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- Agriculture (and Rural Economy.)**  
8. Stockholm. K. Landbruks-Akad. 1.  
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221. Breslau. Landwirtschaftl. C.-Ver. 10.  
229. Bromberg. Landwirtschaftl. C.-Ver. 10.  
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und Landeskunde. 10.  
235. Celle. Landwirtschaftl. Ges. 10.  
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244. Darmstadt. G. H. C. für die Landwirth-  
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305. Grätz. K. K. S. Landwirtschafts-Ges. 12.  
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336. Innsbruck. K. K. Landwirtschafts-Ges.  
13.  
340. Jena. Zeits. f. Deutsche Landwirthe. 13.  
343. Karlsruhe. C. für Landwirtschaft. 14.  
346. Kassel. K. C. Landwirtschaftl. Angele-  
genh. 14.  
350. Kiel. Landwirtschaftl. Ver. 14.  
357. Klagenfurt. K. K. Landwirths.-Ges. 14.  
364. Köln. Landwirtschaftl. Ver. 14.  
365. Königsberg. C. Landwirthsch. Ver. 14.  
389. Liegnitz. Landwirtschaftl. Ver. 15.  
407. Marienwerder. Ver. W. Landwirthe. 16.  
410. Mengersinghausen. Landwirtschaftl.  
Ver. 16.  
411. Merseburg. Landwirthsch. C. Ver. 16.  
419. München. Landwirtschaftl. Ver. 16.  
423. Münster. Landwirtschaftl. C.-Ver. 16.  
445. Potsdam. Landwirtschaftl. P. Ver. 17.  
465. Salzburg. K. K. Landwirths. Ges. 18.  
470. Sigmaringen. Ver. z. Beförd. d. Land-  
wirtschaft. u. Gewerbe. 18.  
471. Sondershausen. Ver. z. Bef. d. Land-  
wirtschaft. 18.  
481. Stuttgart. K. C. für Landwirtschaft. 18.  
491. Tharand. K. S. Akad. d. Forst- und Land-  
wirthe. 18.  
497. Tübingen. Landwirtschaftl. Ver. 19.  
515. Wien. K. K. Landwirtschafts-Ges. 19.  
531. Worms. Ver. Land- und Forstwirthe. 20.  
581. Bruxelles. Soc. o. d'Agriculture. 21.  
588. Gand. Soc. R. Agriculture et de Botani-  
que. 21.  
623. Dijon. Soc. d'Agriculture et d'Industrie  
Agricole. 23.  
690. Paris. Soc. I. o. d'Agriculture. 25.  
716. Bologna. Soc. agraria di Bologna. 25.

722. **Firenze.** Ac. economico-agraria. 26.  
 732. **Milano.** A. Agricola Lombarda. 26.  
 762. **Pesaro.** Ac. Agraria. 27.  
 775. **Torino.** Ac. Agricoltura. 27.  
 782. **Udine.** Ass. Agraria Friulana. 27.  
 804. **Bath.** Agricultural Societ. 28.  
 806. **Belfast.** Chemico-Agricultural Soc. 28.  
 817. **Cirencester.** R. Agricultural College. 29.  
 838. **Edinburgh.** H. & Agricultural Soc. 29.  
 926. **London.** R. Agricultural Soc. 32.  
 1022. **Honolulu.** R. Hawaiian Agric. Soc. 35.  
 1035. **Mexico.** Escuela de Agricul. 35.

**Agriculture, Arts, and Commerce.**

602. **Angoulême.** Soc. Agriculture, Arts, Commerce. 22.  
 617. **Caen.** Soc. d'Agriculture, Commerce. 22.  
 788. **Verona.** Ac. d'Agricolt. Comercio ed Arti. 28.

**Agriculture and Horticulture.**

996. **Calcutta.** Agricult. and Horticult. Soc. 34.  
 1018. **Sydney.** A. Hortio. Agricult. Soc. 35.

**Agriculture.** See **Acclimation.**

**Agriculture, Arts, Belles-Lettres, and Science.** See **Science.**

**Agriculture, Arts, Industry, Science.** See **Science.**

**Agriculture, Arts, Science.** See **Science.**

**Agriculture, Commerce, and Science.** See **Science.**

**Apothecaries.** See **Pharmacy.**

**Amusement and Utility.**

113. **Arnhem.** G. Nut en Vergencegen. 6.  
 541. **Basel.** Ges. z. Beförd. d. Guten und Gemeinnützigen. 20.  
 556. **Genève.** Soc. Gen. d'Utilité publiq. 20.

**Anatomy.**

188. **Berlin.** Red. d. Archivs für path. Anat. 9.

**Anatomy.** See **Medicine and Surgery.**

**Animals, Protection of.**

161. **Altona.** Thierschutz-Verein. 8.  
 321. **Hamburg.** Thierschutz-Verein. 13.

**Anthropology.** See **Ethnology.**

**Antiquities and Archæology i General.**

1. **Scandinavia.** K. Norræna Fornfrøedaf lag. 1.  
 21. **Christiania.** F. N. Fortidsmindesmerke Bevaring. 2.  
 35. **Kjobenh.** K. Nordiske Oldskrift-Selsk.  
 84. **St. Petersburg.** I. Arkheologit. Obs.  
 103. **Vilna.** Arkheologhitsheskaja Komm.  
 212. **Bonn.** Ver. v. Alterthumsfreunden.  
 260. **Dresden.** K. S. V. f. vaterländ. Alterth mer. 11.  
 313. **Halle.** T.-S. Ver. vaterländ. Alterthum kunde. 13.  
 334. **Hohenleuben.** Voigtländischer Alterthumsforsch. Ver. 13.  
 342. **Karlsruhe.** B. Alterthums-Ver. 14.  
 351. **Kiel.** S. H. L. Ges. f. vaterl. Alterth. 1.  
 398. **Lüneburg.** Alterthums-Ver. 15.  
 489. **Stuttgart.** W. Alterthums-Verein. 18.  
 540. **Basel.** Ges. f. vaterländ. Alterthümer. 20.  
 563. **Lausanne.** Soc. d'Hist. Suisse Romande 21.  
 572. **Zürich.** Ges. f. Vaterländ. Alterth. 21.  
 575. **Anvers.** Acad. d'Archéologie. 21.  
 598. **Amiens.** Soc. des Antiquaires. 22.  
 608. **Béziers.** Soc. Archéologique. 22.  
 618. **Caen.** Soc. des Antiquaires. 22.  
 645. **Montpellier.** Soc. Archéologique. 23.  
 653. **Orleans.** Soc. Archéologique. 24.  
 674. **Paris.** Soc. des Antiquaires. 24.  
 683. Soc. Fr. des Monuments Hist. 24  
 756. **Napoli.** R. Ac. Ercolanese di Archeol. 27  
 767. **Roma.** Ac. Romana di Archeologia. 27  
 812. **Cambridge.** Camb. Antiquarian Soc. 28  
 826. **Dublin.** I. Archæolog. and Celtic Soc. 29  
 847. **Edinburgh.** Soc. of Antiquaries. 29.  
 863. **Kilkenny.** K. and S. I. Archæol. Soc. 30  
 879. **London.** Archæological Ins. 30.  
 885. British Archæological Ass. 31  
 909. L. and M. Archæolog. Soc. 31  
 936. Soc. Antiquaries. 32.  
 949. **Newcastle-on-Tyne.** Antiq. Soc. 32.  
 979. **Constantine.** Soc. Archéologique. 33.

**Antiquities, Belles-Lettres, and History.**

10. **Stockholm.** K. Vitterhets- Hist. Antiquitets. 1.

**Antiquities and History.**

61. **Moskwa.** I. Istorii i Drevnostei Ross. 4  
 71. **Odessa.** O. O. Istorii i Drevnostei. 4.  
 77. **Riga.** Ges. f. Gesch. u. Alterthumak. 4

156. **Agram.** Ges. f. Gesch. u. Alterthümer. 8.  
 157. **Altenburg.** Geschichts- und Alterthumsforsch. G. 8.  
 469. **Schwerin.** Ver. f. M. Geschichte und Alterthumskunde. 18.  
 475. **Stettin.** Ges. f. p. Geschichte und Alterthumskunde. 18.  
 528. **Wiesbaden.** Ver. f. N. Geschichte u. Alterthumskunde. 20.  
 557. **Genève.** Soc. d'Histoire et d'Archéol. 20.
- Antiquities, History, and Philology.**  
 131. **Leeuwarden.** F. G. Geschied-oudheid-en taalkunde. 7.
- Antiquities and Natural History.**  
 966. **Taunton.** S. Archæological and Nat. Hist. Soc. 33.
- Archæology.** *See Antiquities.*
- Archæology, Arts, and Sciences.**  
*See Science.*
- Architecture.**  
 184. **Berlin.** K. P. technische Bau-Deput. 9.  
 880. **London.** Architectural Publicat. Soc. 30.
- Army Corps and Staff.** *See Military.*
- Art Museums.** *See Museums.*
- Art and Literature.**  
 59. **Mitau.** Kurl. Ges. f. Literatur u. Kunst. 4.
- Arts.** *See Agriculture.*
- Arts.** *See Technology.*
- Arts, Belles-Lettres, and Science.**  
*See Science.*
- Arts, Letters, and Science.** *See Science.*
- Artillery and Engineering.**  
 201. **Berlin.** Vereinigte Artillerie- und Ingenieur-Schule. 9.  
 967. **Woolwich.** Royal Military Acad. 33.
- Asiatic Societies.** *See Oriental Societies.*
- Associations, Scientific.** *See Science.*
- Astronomy (Societies).**  
 928. **London.** R. Astronomical Soc. 32.
- Astronomy.** *See Observatories.*
- Astronomy and Hydrography.**  
 495. **Trieste.** K. K. Hydrog. Anstalt und Marine-Sternwarte. 19.
- Baths and Thermal Waters.**  
 270. **Ems.** Red. d. Balneologischen Zeit. 11.
- Belles-Lettres.**  
 721. **Firenze.** Ac. della Crusca. 26.  
 793. **Barcelona.** R. Ac. de Buenas letras. 28.  
 799. **Madrid.** R. Academia Española. 28.
- Belles-Lettres.** *See Antiquities; Science.*
- Belles-Lettres and Science.** *See Science.*
- Biology.**  
 677. **Paris.** Société de Biologie. 24.
- Blind.**  
 218. **Breslau.** Blinden-Anstalt. 10.  
 222.                   Blinden-Unterrichts-Anst. 10.  
 231. **Brünn.** M. Blinden-Erziehungs-Inst. 10.  
 258. **Dresden.** K. Blinden-Anstalt. 11.  
 285. **Friedburg.** Blinden-Anstalt. 12.  
 315. **Hamburg.** Blinden-Anstalt. 13.  
 368. **Königsberg.** P. P. Ver. f. Blinden-Unterricht. 14.  
 561. **Lausanne.** Asile des Aveugles. 21.
- Booksellers, Publishers, and Publishing Associations.**  
 27. **Reykjavik.** Islenzka bókmantaflög. 2.  
 214. **Braunschweig.** F. Vieweg und Sohn. 10.  
 379. **Leipzig.** F. A. Brockhaus. 15.  
 514. **Wien.** K. K. Hof- und Staatsdruckerei. 19.  
 833. **Edinburgh.** Bannatyne Club. 29.  
 848.                   Spalding Club. 29.  
 889. **London.** Camden Society. 31.  
 898.                   Hakluyt Society. 31.  
 920.                   Palaontographical Soc. 31.  
 924.                   Ray Society. 32.
- Botanical Gardens.**  
 414. **München.** K. Botanischer Garten. 16.  
 755. **Napoli.** R. Orto Botanico. 27.  
 861. **Kew.** Library of Kew Gardens. 30.
- Botany.**  
 136. **Leiden.** Vereen. Flora van Nederland. 7.  
 171. **Berlin.** Botanischer Ver. 8.



444. Potsdam. Botanischer Ver. 17.  
 460. Regensburg. K. botanische Ges. 17.  
 586. Bruxelles. Soci  t   de Flora. 21.  
 676. Paris. Soci  t   Botanique. 24.  
 834. Edinburgh. Botanical Society. 29.  
 929. London. Royal Botanic Society. 32.

**Botany.** *See Horticulture.*

**Botany and Horticulture.**

253. Dresden. Flora: Ges. f. Botanik und Gartenbau. 11.

**Botany and Zoology.**

520. Wien. K. K. Zoologisch-Botan. Ges. 19.  
 824. Dublin. D. Univ. Zool. Botan. Assoc. 29.

**Charts, School of.**

679. Paris. Soc. de l'  cole des Chartes. 24.

**Chemistry.**

822. Dublin. Chemical Society. 29.  
 890. London. Chemical Society. 31.

**Chemistry and Agriculture.** *See Agriculture.*

**Chirurgy.** *See Medicine and Surgery.*

**Commerce.**

322. Hamburg. Ver. f. Handelsfreiheit. 13.  
 610. Bordeaux. Chambre de Commerce. 22.

**Commerce.** *See Agriculture; Science; Industry and Trade.*

**Crowned Heads and State Governments.**

81. St. Petersburg. Emperor of Russia. 4.  
 169. Berlin. Seine Majest  t der K  nig. 5.  
 252. Dresden. Seine Majest  t der K  nig. 11.  
 476. Stuttgart. Seine Majest  t der K  nig. 18.  
 503. Wien. Seine Majest  t der Kaiser. 19.  
 545. Bern. Conseil F  d  ral Suisse. 20.  
 654. Paris. Sa Majest   Imp. l'Empereur. 24.  
 875. London. Her Majesty the Queen. 30.  
 887. British Government. 31.  
 974. Constantinople. His Imp. Majesty. 33.  
 990. Bombay. Bombay Government. 34.

**Culture.** *See Mental Culture.*

**Deaf and Dumb.**

72. Odessa. Outchilishtoh   Glucho-nem. 4.  
 269. Emden. Taubstummen-Anst. 11.  
 286. Friedberg. Taubstummen-Anstalt. 12.

385. Leipzig. Taubstummen-Anstalt. 15.  
 570. Yverdon. Institut des Sourds-Muets. 21.

**Dumb.** *See Deaf and Dumb.*

**Dentistry.**

504. Wien. C. Ver. Deutscher Zahn  rzte. 19.

**East India Co.** *See Libraries, London.*

**Economy (Public Welfare).**

88. St. Petersburg. Volnoe Ekonomitsheskoe Obs. 5.  
 127. Haarlem. N.   konomische Ges. 6.  
 259. Dresden. K. S. Oekonomische Ges. 11.  
 310. Hall. Ver. z. Durchforschung Tirols und Vorarlbergs. 12.  
 338. Jauer.   konomisch-patriotische Ges. 13.  
 450. Prag. K. K. Patriotisch-  konomische Ges. 17.  
 456. Premslaff. P.   konomische Ges. 17.  
 492. Trier. Ges. f. n  tzliche Forschungen. 18.  
 536. Zara. Societ   Economica. 20.  
 556. Gen  ve. Soc. Genev. d'utilit   Publique. 20.  
 1004. Manilla. Royal Economical Soc. 34.  
 1023. Bogota. Soc. Econ. de Ami. del Pais. 35.  
 1025. Caracas. Soc. Econ. de Ami. del Pais. 35.  
 1028. Guatemala. Soc. Econ. de Ami. del Pais. 35.  
 1029. Habana. R. Soc. Econ. de la Hab. 35.

**Economy and Physics.**

366. K  nigsberg. O. Physikalisch-  konomische Ges. 14.

**Economy, Rural.** *See Agriculture.*

**Education.** *See Mental Culture; Public Instruction.*

**Engineering.**

118. Delft. K. Akad. burgerlijke Ingenieurs. 6.  
 121. s'Gravenhage. K. Inst. Ingenieurs. 6.  
 196. Berlin. Ver. Deutsch. Ingenieure. 9.  
 262. Dresden. S. Ingenieur-Ver. 11.  
 522. Wien.   sterr. Ingenieur-Verein. 19.  
 903. London. Inst. Civil Engineers. 31.  
 964. Southampton. Ordn. Trigon. Surv. 33.

**Engineering.** *See Artillery.*

**Engineering, Mining.**

95. St. Petersburg. Shtab Korpusa gornyykh Ingeneroff. 5.  
 220. Breslau. K. P. Ober-Berg-Amt. 10.  
 224. S. Ver. f. Berg- und H  ttenk. 10.

282. **Freiberg.** K. S. Bergakademie. 12.  
 303. **Grätz.** Geognostisch-Montanist. Ver. 12.  
 341. **Joachimshal.** Montanistischer Ver. 14.  
 505. **Wien.** C. d. Allg. Versamml. v. Berg-und  
 Hüttenmännern. 19.  
 664. **Paris.** École Imp. des Mines. 24.  
 1033. **Mexico.** Colegio de Minería. 35.

**Entomology.**

122. **s'Gravenhage.** N. Entomolog. Ver. 6.  
 174. **Berlin.** Entomologischer Ver. 8.  
 227. **Breslau.** Ver. f. schll. Insektenkunde. 10.  
 474. **Stettin.** Entomologischer Verein. 18.  
 524. **Wien.** Red. d. Entomolog. Monatsschr.  
 19.  
 681. **Paris.** Soc. Entomologique. 24.  
 893. **London.** Entomological Soc. 31.  
 956. **Oxford.** O. Univ. Entomological Soc. 32.

**Ethnology (and Anthropology).**

673. **Paris.** Soc. d'Anthropologie. 24.  
 877. **London.** Aborigines Protection Soc. 30.  
 894. Ethnological Soc. 31.

**Fine-Arts.**

740. **Milano.** R. Acc. di Belle Arti. 26.  
 769. **Roma.** British Ac. of Fine Arts. 27.  
 783. **Venezia.** Acc. di Belle Arti. 27.  
 794. **Madrid.** Ac. de las tres Nobles Artes. 28.  
 841. **Edinburgh.** R. Inst. for Encour. of Fine  
 Arts. 27.

**Forest Economy. See Agriculture.****Gardens, Botanical. See Botanical Gardens.****Gardens, Zoological. See Zoological Gardens.****Geography.**

56. **Irkutsk.** Soc. géographique. 3.  
 86. **St. Petersburg.** I. Russkoe Geographit-  
 sheskoe Obs. 5.  
 101. **Tiflis.** Soc. Géographique. 5.  
 176. **Berlin.** Ges. für Erdkunde. 8.  
 249. **Darmstadt.** Ver. für Erdkunde, etc. 11.  
 299. **Götha.** Geographische Anstalt. 12.  
 501. **Weimar.** Geographisches Institut. 19.  
 510. **Wien.** K. K. Geographische Ges. 19.  
 558. **Genève.** Soc. de Géographie. 21.  
 580. **Bruzelles.** Établissement Geograph. 21.  
 663. **Paris.** Dépôt des Cartes et Plans. 24.  
 678. Soc. de Géographie. 24.  
 931. **London.** R. Geographical Soc. 32.

992. **Bombay.** Geographical Society. 34.  
 1042. **Rio Janeiro.** R. Geographical Soc. 36.

**Geography and History.**

1039. **Rio Janeiro.** Histor. Geograp. Inst. 36.

**Geography and Statistics.**

280. **Frankfurt-am-Main.** V. f. Geographie  
 und Statistik. 12.  
 1036. **Mexico.** Soc. Mex. Geografía y Estadis-  
 tica. 35.

**Geology.**

90. **St. Petersburg.** K. Russ. Mineralog. Ges.  
 5.  
 125. **Haarlem.** Geologische Commissie. 6.  
 173. **Berlin.** Geologische Ges. 8.  
 232. **Brünn.** W. V. z. geol. Durchforschung.  
 10.  
 247. **Darmstadt.** M.-geologischer Ver. 11.  
 303. **Grätz.** Geognostisch-Montanist. Ver. 12.  
 433. **Pesth.** Geologische Ges. 17.  
 511. **Wien.** K. K. Geolog. Reichsanstalt. 19.  
 685. **Paris.** Soc. Géologique. 25.  
 713. **Bologna.** R. Istituto Geologico. 26.  
 743. **Milano.** Società Geologica. 26.  
 825. **Dublin.** Geological Society. 29.  
 837. **Edinburgh.** Geological Society. 29.  
 856. **Glasgow.** Geological Soc. 30.  
 864. **Leeds.** Geological and Polytech. Soc. 30.  
 868. **Liverpool.** Geological Society. 30.  
 895. **London.** Geological Assoc. 31.  
 896. Geological Society. 31.  
 916. Mus. Practical Geology. 31.  
 943. **Manchester.** Geological Society. 32.  
 959. **Penzance.** R. Geological Soc. 33.  
 997. **Calcutta.** Geological Survey. 34.

**History.**

142. **Utrecht.** Historisch Genootschap. 7.  
 162. **Ansbach.** Historischer Ver. 8.  
 164. **Augsburg.** Historischer Ver. 8.  
 288. **Gliessen.** Historischer Ver. 12.  
 304. **Grätz.** Historischer Ver. 12.  
 323. **Hamburg.** Ver. für Hamburg. Gesch. 13.  
 333. **Hermannstadt.** Ver. Landeskunde. 13.  
 349. **Kassel.** Ver. K. Landeskunde. 14.  
 352. **Kiel.** S. H. L. Ges. vaterländische Gesch.  
 14.  
 355. **Klagenfurt.** Geschichts-Ver. 14.  
 363. **Köln.** Hist. Ver. für den Niederrhein. 14.  
 376. **Laibach.** Histor. Verein. 15.  
 395. **Lubeck.** Ver. für lübeckische Ges. 15.  
 412. **München.** Historischer Ver. 16.  
 458. **Regensburg.** Historischer Ver. 17.

472. **Speier.** Historischer Ver. 18.  
 532. **Würzburg.** Historischer Verein. 20.  
 668. **Paris.** Institut Historique. 24.  
 779. **Torino.** R. D. Studi di Storia Patria. 27.  
 798. **Madrid.** R. Ac. de la Historia. 28.  
 869. **Liverpool.** Historic Soc. 30.  
 1040. **Rio Janeiro.** Imp. Brazil. Hist. Soc. 36.

**History.** *See* Antiquities.

**History, Museums of.** *See* Museums.

**History.** *See* Geography.

**History and Jurisprudence.**

147. **Zwolle.** Vereen. van O. Rigten Geschiedenis. 7.

**History and Philology.**

31. **Kjöbenhavn.** K. D. S. Fædrelandets Historie og Sprog. 2.

**History and Statistics.**

275. **Frankfurt-an-der-Oder.** Historisch-Statist. Ver. 11.

**Horticulture.**

199. **Berlin.** Ver. Beförd. des Gartenbaues. 9.  
 215. **Braunschweig.** Garten-Verein. 10.  
 243. **Darmstadt.** Gartenbau-Ver. 10.  
 266. **Eldena.** Gartenbau-Ver. 11.  
 272. **Erfurt.** Gartenbau-Verein. 11.  
 277. **Frankfurt-am-Main.** Gartenbau-Ges. "Flora." 11.  
 302. **Gotha.** Th. Gartenbau-Ver. 12.  
 432. **Passau.** P. Gartenbau-Gesell. 16.  
 477. **Stuttgart.** Gartenbau-Ges. "Flora." 18.  
 494. **Trieste.** Gartenbau-Ges. 18.  
 502. **Weimar.** Ver. f. Blumistik und Gartenbau. 19.  
 509. **Wien.** K. K. Gartenbau-Ges. 19.  
 611. **Bordeaux.** Sociétés d'Horticulture. 22.  
 648. **Moulins.** Soc. d'Horticulture. 23.  
 686. **Paris.** Soc. I. C. d'Horticulture. 25.  
 687. Soc. d'Horticulture de la Seine. 25.  
 835. **Edinburgh.** Cal. Horticultural Soc. 29.  
 899. **London.** Horticultural Soc. 31.

**Horticulture.** *See* Agriculture.

**Horticulture.** *See* Botany.

**Horticulture and Pomology.**

159. **Altenburg.** Pomologische Ges. 8.  
 408. **Meiningen.** Ver. f. Pomologie u. Gartenbau. 16.

**Horticultural Gardens.** *See* Botanical Gardens.

**Horticultural Schools.**

68. **Odessa.** Glavnoé Outchilitché Sadovodstva. 4.

**Hospitals.** *See* Medicine and Surgery.

**Hydraulics.**

637. **Lyon.** Soc. Hydrométrique. 23.

**Hydrography.**

32. **Kjöbenhavn.** K. D. Sökort-Archivet. 2.  
 82. **St. Petersburg.** Gidrog. Dep. Morakago Minist. 4.  
 900. **London.** Hydrographical Office. 31.

**Hydrography.** *See* Astronomy.

**Industry.** *See* Economy; Science in General.

**Industry, Popular.**

111. **Amsterdam.** Vereen. Volksvljft. 6.  
 172. **Berlin.** C. Ver. f. das Wohl der arbeitenden Klassen. 8.  
 178. Gewerbe-Institut. 8.  
 200. Ver. z. Beförd. d. Gewerbeff. 9.  
 219. **Breslau.** Gewerbe-Verein. 10.  
 245. **Darmstadt.** G. H. Gewerbe-Ver. 11.  
 256. **Dresden.** Gewerbe-Verein. 11.  
 287. **Fürth.** Gewerbe-Verein. 12.  
 400. **Mainz.** G. Handels-Kammer. 15.  
 447. **Prag.** B. Gewerbe-Verein. 17.  
 479. **Stuttgart.** Gewerbe-Verein. 18.  
 521. **Wien.** N. Gewerbe-Ver. 19.  
 527. **Wiesbaden.** Gewerbe-Verein. 19.  
 649. **Mulhouse.** Société Industrielle. 23.  
 680. **Paris.** Soc. d'E. l'Industrie Nationale. 24.  
 711. **Bergamo.** Soc. Industriale Berg. 25.  
 989. **Batavia.** Ned. Ind. Maatschappij van Nijverheid. 34.  
 1043. **Rio Janeiro.** Soc. Auxill. de Industria Nacional. 36.

**Industry and Trade.**

154. **Agram.** Handels und Gewerbekammer. 8.  
 307. **Grätz.** S. Industrie- und Gewerbe-Ver. 12.  
 325. **Hannover.** Gewerbe-Verein. 13.  
 344. **Karlsruhe.** Gewerbe-Verein. 14.  
 356. **Klagenfurt.** K. Industrie u. Gewerbe-Ver. 14.  
 390. **Linz.** Handels- u. Gewerbekammer. 15.

439. Pesth. P. Handels-Akademie. 17.  
 482. Stuttgart. K. C. f. Gewerbe und Handel.  
 18.  
 512. Wien. K. K. Handels-Ministerium. 19.  
 530. Worms, G. Handels-Kammer. 20.  
 884. London. Board of Trade. 31.

**Industry and Useful Knowledge.**

153. Aachen. V. nützliche Wissensch. und  
 Gewerbe. 8.

**Journals of Universities.**

2. Skandinavia. Nordisk Universitets-Tids-  
 skrift. 1.

**Jurisprudence. See History.****Knowledge, Useful. See Industry.****Libraries.**

13. Stockholm. Riksbiblioteket. 1.  
 19. Westerås. Bibliot. Arosiensis. 2.  
 26. Reykjavik. Íslands Stiftingsbókasafn. 2.  
 30. Kjöbenhavn. K. Bibliothek. 2.  
 69. Odessa. Gorodskaja Poubliotchnaja Bib-  
 lioteka. 4.  
 73. Orenburg. Bibliot. publique. 4.  
 76. Riazan. Publitschnaja Bibliotheka. 4.  
 85. St. Petersburg. I. Publitschnaja Bibli-  
 oteka. 5.  
 99. Tiflis. Bibliot. Publique. 5.  
 102. Toula. Bibliot. Publique. 5.  
 110. Amsterdam. Stadsbibliotheek. 6.  
 114. Arnhem. O. Bibliotheek. 6.  
 115. Bois-le-Duc. Bibliotheek. 6.  
 119. Deventer. Bibliotheek. 6.  
 120. s'Gravenhage. K. Bibliotheek. 6.  
 138. Middelburg. P. Bibliotheek. 7.  
 179. Berlin. K. Bibliothek. 8.  
 216. Bremen. Stadt-Bibliothek. 10.  
 246. Darmstadt. G. Hof-Bibliothek. 11.  
 257. Dresden. K. Bibliothek. 11.  
 300. Gotha. H. Bibliothek. 12.  
 316. Hamburg. Commerz-Bibliothek. 13.  
 319. Stadt-Bibliothek. 13.  
 326. Hannover. K. Bibliothek. 13.  
 345. Karlsruhe. G. Hofbibliothek. 14.  
 347. Kassel. K. Landes Bibliothek. 14.  
 384. Leipzig. Stadt-Bibliothek. 15.  
 388. Lemberg. Bibliotheka Z. O. 15.  
 392. Lübeck. Bibliothek. 15.  
 415. München. K. Hof- und Staats-Biblio-  
 thek. 16.  
 429. Oldenburg. G. Bibliothek. 16.  
 430. Olmütz. K. K. Studien Bibliothek. 16.

442. Posen. Bibliothèque de Kurnik. 17.  
 443. Posen. Raczyński Bibliothek. 17.  
 468. Schwerin. R. Bibliothek. 18.  
 483. Stuttgart. K. Ö. Bibliothek. 18.  
 513. Wien. K. K. Hofbibliothek. 19.  
 552. Genève. Bibliothèque. 20.  
 562. Lausanne. Bibliothèque. 21.  
 579. Bruxelles. Bibliothèque Royale. 21.  
 615. Brest. Bibliothèque. 22.  
 657. Paris. American Library. 24.  
 658. Bibliothèque de la Ville. 24.  
 660. Bibliothèque Imp. 24.  
 723. Firenze. Biblioteca Magliab. 26.  
 737. Milano. N. Biblioteca di Brera. 26.  
 751. Napoli. Biblioteca Reale. 27.  
 768. Roma. Biblioteca Vaticana. 27.  
 778. Torino. Regia Biblioteca. 27.  
 785. Venezia. Biblioteca Marciana. 27.  
 791. Lisboa. Biblioteca Nacional. 28.  
 795. Madrid. Biblioteca Real. 28.  
 811. Bristol. City Library. 28.  
 813. Cambridge. Cambr. Free Library. 28.  
 839. Edinburgh. Lib. Faculty Advocates. 29.  
 881. London. Athenæum Club. 30.  
 892. Duke of Northumberland. 31.  
 904. L. East India Company. 31.  
 905. L. Counm. Privy Council for  
 Trade. 31.  
 906. L. Corpora'n City of Lond. 31.  
 907. L. House of Commons. 31.  
 911. London Institution. 31.  
 912. London Library. 31.  
 955. Oxford. Oxford Free Library. 32.  
 973. Belgrad. Praviteljstvena Biblioteka. 33.  
 976. Cape Town. Public Library. 33.  
 980. Grand Cairo. Bibliothèque Centrale. 33.  
 982. Liberia. Government Library. 33.  
 984. St. Helena. St. Helena Library. 34.  
 1005. Neilgherries. Public Library. 34.  
 1010. Hobarton. Public Library. 35.  
 1012. Launceston. L. Public Library. 35.  
 1037. Paramaribo. S. Koloniale Bibliothek.  
 35.  
 1038. Rio Janeiro. British Library. 36.  
 1045. Santiago. Biblioteca Nacional. 36.
- Libraries, Naval (Russian).**  
 41. Cronstadt. C. flotskaja Biblioteka. 3.  
 42. Morakaja Biblioteka. 3.
- Libraries, Gallery of Art, Muse-  
 ums.**  
 867. Liverpool. Free Pub. Library, Mus., and  
 Gal. of Art. 30.

886. London. British Museum. 31.  
 945. Manchester. Free Lib. and Museum. 32.  
 963. Salford. S. B. R. Mus. and Library. 37.

**Libraries. See Museums.**

**Literature.**

15. Stockholm. Svenska Akademien. 2.  
 37. Kjöbenhavn. Samf. Danske Literatur Fremme. 3.  
 75. Reval. Eth. litterarische Ges. 4.  
 116. Bois-le-Duc. Soc. Littéraire. 6.  
 133. Leiden. Maat. Nederlands. Letterk. 7.  
 584. Bruxelles. Soc. Gens de Lett. Belges. 21.  
 934. London. R. Society of Literature. 32.  
 972. Belgrad. Društvo srbske Slovesnosti. 33.  
 1002. Madras. Literary Society. 34.

**Literature. See Art.**

**Literature, Oriental. See Oriental Societies.**

**Longitudes.**

661. Paris. Bureau des Longitudes. 24.

**Magnetism and Meteorology (Observatories). See Observatories.**

**Mathematical Science.**

112. Amsterdam. W. Gen.: "Een onvermoide Arbeid komt alles te boven." 6.

**Marine, Committee of.**

92. St. Petersburg. Morskoi-Outchenoi Comité. 5.

**Marine, Ministry of.**

93. St. Petersburg. Morskoje Ministerstvo. 5.  
 670. Paris. Minist. de la Marine. 24.

**Medicine and Natural History.**

141. Utrecht. Archiv Beit. Natur- und Heilkunde. 7.  
 208. Bonn. N. G. Natur u. Heilkunde. 9.  
 254. Dresden. Ges. Natur- u. Heilkunde. 11.  
 289. Giessen. O. Ges. Natur- u. Heilk. 12.  
 329. Heidelberg. Naturhistor.-medicin. Ver. 13.  
 441. Plauen. Ver. Natur- und Heilkunde. 17.

**Medicine and Physics.**

130. Hoorn. Soc. Medico-Physica. 7.

213. Braunsberg. Physikalisch-Medicin. Ges. 9.

274. Erlangen. Physikalisch-Medicinische Ges. 11.

367. Königsberg. Physik.-Medicin. Ges. 14.

533. Würzburg. Physikal.-Medicin. Ges. 20.

998. Calcutta. Medical and Physical Soc. 34.

**Medicine and Surgery.**

14. Stockholm. Schwed. Ges. der Aertze. 2.

49. Helsingfors. Finske Läkare Sällsk. 3.

78. Riga. Ges. Praktischer Ärzte. 4.

105. Warschau. Acad. Médi.-Chirurgicale. 5.

276. Frankfurt-am-Main. Aerztlicher Ver. 11.

452. Prag. Medicinische Facultät. 17.

480. Stuttgart. Heilgymnastisches Inst. 18.

490. W. Ärztlicher Verein. 18.

500. Weilburg. Ver. Nassauischer Ärzte. 19.

525. Wien. Red. der Ö. Zeit. praktische Heilkunde. 19.

560. Genève. Société Médicale. 21.

620. Caen. Soc. de Médecine. 22.

644. Metz. Soc. des Sciences Médicales. 23.

656. Paris. Acad. Imp. de Médecine. 24.

689. Soc. Médicale Allemande. 25.

707. Toulouse. Soc. I. Médecine, Chirurgie et Pharmacie. 25.

715. Bologna. Scuola Anatomica. 26.

717. Soc. Medico-Chirurgica. 26.

727. Geneva. Ac. Medico-chirurgica. 26.

738. Milano. Ospedale Maggiore. 26.

776. Torino. Ac. R. Medico-Chirurgica. 27.

930. London. R. College of Surgeons. 32.

933. R. Med. and Chirurg. Soc. 32.

987. Batavia. Geneeskundige Vereen. 34.

**Medicine and Surgery. See Anatomy.**

**Mental Culture in general. See also Education.**

223. Breslau. S. Ges. vaterländische Cultur 10.

**Meteorology.**

143. Utrecht. K. Meteorologisch Institut. 7.

185. Berlin. Meteorologisches Inst. 9.

689. Paris. Soc. Météorologique. 25.

840. Edinburgh. Meteorological Soc. 29.

914. London. Meteorological Soc. 31.

**Meteorology and Magnetism. See Observatories.**

**Microscope.**

291. **Glessen.** Ver. Microscopie. 12.  
 915. **London.** Microscopical Society. 31.

**Military Academies, Bureaus, and Schools.** *See also Arms.*

182. **Berlin.** K. P. Generalstab der Armees. 8.  
 183. K. P. Kriegs-Akademie. 8.  
 201. Vereinigte Artillerie und Ingenieur Schule. 9.  
 416. **München.** K. Quartiermeister Stab. 16.  
 669. **Paris.** Minist. de la Guerre. 24.  
 967. **Woolwich.** Royal Military Acad. 33.  
 1044. **Santiago.** Academia Militar. 36.

**Mineralogy.**

90. **St. Petersburg.** Kais R. Mineralogische Ges. 5.

**Mineralogy and Geology.** *See Geology.***Mineralogy and Zoology.**

461. **Regensburg.** Zoologisch-Mineralogischer Ver. 17.

**Mines.** *See Engineering, Mining.***Mining Engineering.** *See Engineering.***Ministry of Marine.** *See Marine.***Ministry of Public Instruction.**  
*See Public Instruction.***Ministry of State.** *See State.***Ministry of War.** *See Military, etc.***Moral and Political Science.****Museums in general.**

20. **Bergen.** Bergensk Museum. 2.  
 79. **Riga.** Museum. 4.  
 261. **Dresden.** K. S. Kunst u. Wissenschaften. 11.  
 359. **Klausenburg.** Erdélyi Muz. Egylet. 14.  
 375. **Laibach.** Landes-Museum. 15.  
 391. **Linz.** Museum Franciscano-Carolinum. 15.  
 393. **Lübeck.** Kunst- und Naturalien Cabinet. 15.  
 394. **Lübeck.** Mus. Kunst und Natur. 15.  
 437. **Pesth.** Magyar Nemzeti Museum. 17.

449. **Prag.** K. Böhmisches Museum. 17.  
 466. **Salzburg.** V. Museum Carolino-Augustum. 18.  
 493. **Trieste.** Civico Museo. 18.  
 629. **Douai.** Muséum d'Histoire Naturelle. 23.  
 725. **Firenze.** R. Museo Fisica e Storia Naturale. 26.  
 952. **Norwich.** Norfolk and Norwich Mus. 32.  
 960. **Plymouth.** Plymouth Museum. 33.  
 978. **Cape Town.** South African Museum. 33.  
 1015. **Melbourne.** National Museum. 35.  
 1034. **Mexico.** Museo Nacional. 35.

**Museums of Art (Fine Arts, etc.).**

175. **Berlin.** Königl. Museen. 8.

**Museums of Art and Industry.**

860. **Kensington.** South Kensington Mus. 30.

**Museums of History.**

426. **Nürnberg.** Germanisches Museum. 16.

**Museums of Natural History.**

135. **Leiden.** R. Mus. Natuurlijke Gesch. 7.  
 292. **Glessen.** Zoologisches Museum. 12.  
 516. **Wien.** K. K. Naturalien Cabinet. 19.  
 659. **Paris.** Jardin des Plantes. 24.  
 698. **Reims.** Mus. d'Histoire Naturelle. 25.  
 735. **Milano.** Museo C. di Storia Naturale. 26.  
 736. Mus. di Storia Nat. Villa. 26.  
 780. **Torino.** R. Museo di Storia Naturale. 27.

**Natural History in general.**

36. **Kjöbenhavn.** Naturhistoriske Foren. 3.  
 45. **Dorpat.** Dorpater Naturforscher-Ges. 3.  
 64. **Moskwa.** Soc. Imp. Naturalistes. 4.  
 80. **Riga.** Naturforschender Ver. 4.  
 124. **Groningen.** G. Natuurkundig Wetenschappen. 6.  
 158. **Altenburg.** Naturforschende Ges. 8.  
 166. **Augsburg.** Naturhistor. Ver. 8.  
 167. **Bamberg.** Naturforschende Ges. 8.  
 177. **Berlin.** G. Naturforschender Freunde. 8.  
 204. **Blankenburg.** Naturwissenschaftl. Ver. 9.  
 207. **Bonn.** Naturhistorischer Ver. 9.  
 228. **Bregenz.** Naturforschender Ver. 10.  
 248. **Darmstadt.** Naturhistor. Ver. 11.  
 241. **Danzig.** Naturforschende Ges. 10.  
 250. **Deidesheim.** Pollichia: Naturwissenschaftl. Ver. 11.  
 251. **Dessau.** Naturhistor. Ver. 11.  
 255. **Dresden.** Gesellschaft "Isis." 11.  
 264. **Elberfeld.** Naturwissenschaftl. Ver. 11.

268. Emden. Naturforschende Ges. 11.  
 279. Frankfurt-am-Main. Senckenbergische naturforschende Ges. 12.  
 283. Freiburg. Ges. Beförd. Naturwissenschaften. 12.  
 293. Görlitz. Naturforschende Ges. 12.  
 311. Halle. Naturforschende Ges. 13.  
 312. Naturwissensch. Ver. 13.  
 318. Hamburg. Naturwissenschaftl. Ver. 13.  
 324. Hanau. W. Ges. gesammte Naturkunde. 13.  
 327. Hannover. Naturhistor. Ges. 13.  
 332. Hermannstadt. S. Ver. Naturwissenschaften. 13.  
 354. Kiel. Ver. Verb. naturwissenschaftlicher Kennt. 14.  
 358. Klagenfurt. Naturhistorisches Mus. 14.  
 360. Klausthal. Naturwissensch. Ver. "Maja." 14.  
 361. Koblenz. Naturhistorischer Ver. 14.  
 362. Koburg. Ver. Naturkunde. 14.  
 382. Leipzig. Naturforschende Ges. 15.  
 396. Ludwigshafen. Vers. Rheinscher Naturforscher. 15.  
 397. Lüneburg. Naturwissenschaftl. Ver. 15.  
 399. Luxembourg. Soc. Sciences Naturelles. 15.  
 401. Mainz. R. Naturforschende Ges. 15.  
 403. Mannheim. Ver. Naturkunde. 15.  
 404. Marburg. Ges. B. gesammten Naturwissenschaften. 16.  
 409. Meissen. Naturwissenschaftliche Ges. "Isis." 16.  
 422. München. Ver. für Naturkunde. 16.  
 424. Neu-Brandenburg. Ver. Freunde der Naturgeschichte. 16.  
 427. Nürnberg. Naturhistorische Ges. 16.  
 428. Offenbach. Verein für Naturkunde. 16.  
 431. Passau. Naturhistorischer Ver. 16.  
 434. Pesth. Kiralyi Magyar Termeszettudományi Társulat. 17.  
 453. Prag. Naturh. Ver. "Lotos." 17.  
 457. Pressburg. Ver. für Naturkunde. 17.  
 462. Rostock. Naturwissenschaftl. Inst. 17.  
 463. M. Naturforschende Ges. 17.  
 487. Stuttgart. Ver. Vaterl. Naturkunde. 18.  
 529. Wiesbaden. Verein für Naturkunde. 20.  
 538. V. Schweizerischer Naturf. 20.  
 539. Aarau. A. Naturforschende Ges. 20.  
 542. Basel. Naturforschende Ges. 20.  
 544. Bern. A. S. Ges. gesammten Naturwissenschaften. 20.  
 548. Naturforschende Ges. 20.  
 551. Chur. Naturforschende Gesellschaft. 20.  
 564. Lausanne. Soc. V. Scien. Naturelles. 21.  
 566. Neuchâtel. Soc. Scien. Naturelles. 21.  
 567. St. Gallen. Naturwissenschaftl. Ges. 21.  
 568. Sion. Soc. V. Sciences Naturelles. 21.  
 569. Solothurn. Naturforschende Ges. 21.  
 573. Zürich. Naturforschende Ges. 21.  
 585. Bruxelles. Soc. R. Linnéenne. 21.  
 590. Liège. Soc. Sciences Naturelles. 21.  
 595. Abbeville. Soc. Linnéenne. 22.  
 599. Amiens. Soc. Linnéenne. 22.  
 614. Bordeaux. Soc. Linnéenne. 22.  
 619. Caen. Soc. Linnéenne. 22.  
 625. Cherbourg. Soc. Imp. Sciences Naturelles. 23.  
 636. Lyon. Soc. Linnéenne. 23.  
 643. Metz. Soc. d'Histoire Naturelle. 23.  
 699. Reims. Soc. Sciences Naturelles. 25.  
 702. Strasbourg. Soc. Sciences Naturelles. 25.  
 719. Catania. Ac. G. di Scienze Naturali. 26.  
 744. Milano. Soc. Ital. di Scien. Naturali. 26.  
 750. Napoli. Ac. Aspiranti Naturalisti. 27.  
 754. R. Ist. d'Incor. alle Scienze Naturali. 27.  
 809. Berwick-on-Tweed. Berwickshire Naturalists' Club. 28.  
 818. Cork. Cuvierian Society. 29.  
 871. Liverpool. L. Naturalist's Field Club. 30.  
 878. London. An. Mag. Natural History. 30.  
 908. Linnæan Society. 31.  
 944. Manchester. M. Field Naturalists' Soc. 32.  
 950. Newcastle-on-Tyne. Natural History Soc. N. D. N. 32.  
 953. Oxford. Ashmolean Society. 32.  
 983. Mauritius. Soc. d'Histoire Naturelle. 34.  
 988. Batavia. Natuurkundige Vereen. in N. I. 34.  
 1024. Bogota. Soc. de Naturalistas N. G. 35.
- Natural History.** See **Archæology; Medicine; Museums; Science in general.**
- Natural History in general; Journals.**
209. Bonn. Red. W. Archivs f. Naturgesch. 2.  
 714. Bologna. Repertorium Italicum. 26.  
 728. Geneva. Arch. per la Zool. l'Anat. e la Physiol. 26.
- Natural Science.** See **Natural History.**

**Natural and Physical Science.**

559. Genève. Soc. Physique et d'Histoire Naturelle. 21.  
 612. Bordeaux. Soc. Sciences Physiques et Nat. 22.  
 843. Edinburgh. Royal Physical Soc. 29.

**Nautical Almanacs. See Naval Science.**

**Naval Affairs. See Marine.**

**Naval Physicians.**

40. Astrakhan. O. Morskikh Wratohei. 3.  
 44. Cronstadt. O. Morskikh Wratchei. 3.  
 66. Nicolalevsk. O. Morskikh Wratchei. 4.  
 94. St. Petersburg. O. Morskikh Wratohei. 5.

**Naval Science.**

190. Berlin. Red. Nautisches Jahrbuch. 9.  
 496. Trieste. K. K. Nautische Akademie. 19.  
 918. London. Nautical Almanac Office. 31.

**Numismatics.**

919. London. Numismatic Society. 31.

**Observatories in general, especially Astronomical.**

6. Lund. Observatoriet. 1.  
 11. Stockholm. Observatoriet. 1.  
 18. Upsala. Univ. Observatoriet. 2.  
 23. Christiania. Observatorium. 2.  
 28. Kjöbenhavn. A. Observatorium. 2.  
 43. Cronstadt. Mors. Observatorija. 3.  
 47. Dorpat. K. Univ.-Sternwarte. 3.  
 54. Kasan. Observatorium. 3.  
 58. Kiew. Observatorium. 3.  
 63. Moskwa. Observatorium. 4.  
 74. Pulkowa. Observatoire. 4.  
 104. Vilna. Observatoire. 5.  
 107. Warschau. Observatoire. 5.  
 134. Leiden. R. Observatorium. 7.  
 144. Utrecht. Observatorium. 7.  
 160. Altona. Sternwarte. 8.  
 195. Berlin. Univ.-Sternwarte. 9.  
 203. Bilk (bei Düsseldorf). Sternwarte. 9.  
 205. Bonn. K. Sternwarte. 9.  
 211. U. Sternwarte. 9.  
 217. Bremen. Sternwarte. 10.  
 226. Breslau. U.-Sternwarte. 10.  
 242. Danzig. Sternwarte. 10.  
 297. Göttingen. Sternwarte. 12.  
 301. Gotha. Sternwarte. 12.

320. Hamburg. Sternwarte. 13.  
 369. Königsberg. Sternwarte. 14.  
 373. Krakau. Sternwarte. 15.  
 374. Kremsmünster. Sternwarte. 15.  
 387. Leipzig. U.-Sternwarte. 15.  
 402. Mannheim. Sternwarte. 15.  
 405. Marburg. Sternwarte. 16.  
 421. München. Sternwarte. 16.  
 436. Pesth. K. K. Sternwarte. 17.  
 451. Prag. K. K. Sternwarte. 17.  
 473. Speier. Sternwarte des K. Lyzeums. 18.  
 519. Wien. K. K. Sternwarte. 19.  
 549. Bern. Sternwarte. 20.  
 554. Genève. Observatoire. 20.  
 583. Bruxelles. Observatoire Royal. 21.  
 640. Marseilles. Observatoire. 23.  
 672. Paris. Observatoire Imp. 24.  
 724. Firenze. Osservatorio. 26.  
 729. Geneva. Osservatorio. 26.  
 739. Milano. Osservatorio. 26.  
 747. Modena. Osservatorio. 26.  
 752. Napoli. Osservatorio. 27.  
 758. Padova. Osservatorio. 27.  
 760. Palermo. Osservatorio. 27.  
 771. Roma. Osservatorio Astronomico. 27.  
 777. Torino. Osservatorio. 27.  
 792. Lisboa. Observatory. 28.  
 800. San Fernando. Observat. Marine. 28.  
 801. Aberdeen. Observatory. 28.  
 803. Armagh. Observatory. 28.  
 814. Cambridge. Cambridge Observatory. 28.  
 828. Dublin. Observatory. 29.  
 832. Durhäm. Observatory. 29.  
 842. Edinburgh. Royal Observatory. 29.  
 857. Greenwich. Royal Observatory. 30.  
 873. Liverpool. Observatory. 30.  
 882. London. Bishop's Observatory. 30.  
 925. Redhill Observatory. 32.  
 946. Markree. Observatory. 32.  
 957. Oxford. Radcliffe Observatory. 32.  
 970. Athens. Observatory. 33.  
 977. Cape Town. Royal Observatory. 33.  
 1003. Madras. Observatory. 34.  
 1019. Sydney. Observatory. 35.  
 1027. Georgetown. Observatory. 35.  
 1041. Rio Janeiro. Nautical Observatory. 36.  
 1048. Santiago. Observatorio Nacional. 36.

**Observatories, Astronomical. See Observatories.**

**Observatories, Magnetical and Meteorological.**

50. Helsingfors. Magnet. meteorol. Obser. 3.



97. **St. Petersburg.** T. fisitcheskaja Observatoria. 5.
100. **Tiflis.** Obs. Magnétique Météorolog. 5.
507. **Wien.** K. K. C. Meteorologie u. Erd-Magnetism. 19.
862. **Kew.** Observatory. 30.
993. **Bombay.** Magnet. and Meteor. Obs. 34.
1008. **Hobarton.** Magnet. Meteorol. Obs. 34.
- Observatories, Physical.** *See Observatories, Magn. and Met.*
- Oriental Literature and Science.**
98. **St. Petersburg.** Vostotochnoi Institut. 5.
378. **Leipzig.** D. Morgenländische Ges. 15.
518. **Wien.** K. K. Orientalische Akad. 19.
665. **Paris.** É. I. S. Langues orientales vivantes. 24.
675. Société Asiatique. 24.
691. Soc. Orientale. 25.
927. **London.** R. Asiatic Society. 32.
939. Syro-Egyptian Soc. 32.
975. **Constantinople.** Société Orientale. 33.
981. **Grand Cairo.** The Egyptian Soc. 33.
- Ornithology.**
149. Deutsche Ornithologen-Ges. 7.
843. **Kassel.** Red. Journs. f. Ornithologie. 14.
901. **London.** The Ibis. 31.
- Palaontology.**
582. **Bruxelles.** Soc. Palaontologique. 21.
920. **London.** Palaontographical Soc. 31.
- Patents.** *See also Technology.*
662. **Paris.** Cons. des Arts et Métiers. 24.
897. **London.** G. Seal Patent Office. 31.
- Pharmacy.**
12. **Stockholm.** Pharmaceutiska Inst. 1.
89. **St. Petersburg.** Kais. pharmaceutische Ges. 5.
148. Deutsche Apotheker-Verein. 7.
202. **Bernburg.** Apotheker-Verein. 9.
330. **Heidelberg.** S. Apotheker Ver. 13.
459. **Regensburg.** K. B. Apotheker Vere. 17.
576. **Anvers.** Soc. de Pharmacie. 21.
682. **Paris.** Société de Pharmacie. 24.
921. **London.** Pharmaceutical Soc. 31.
- Philology.** *See also Antiquities; History.*
922. **London.** Philological Society. 32.
- Philosophy, Experimental.** *See Physical Science.*

**Photography.**923. **London.** Photographie Society. 32**Physicians.** *See Naval Physicians.***Physical Science.** *See also Natural Science.*139. **Rotterdam.** Gen. Proefondervindelijke Wijsbegeerte. 7.186. **Berlin.** Physikalische Ges. 9.278. **Frankfurt-am-Main.** Physikalischer Ver. 12.**Physical Observatories.** *See Observatories.***Physics.** *See Economy; Medicine; Physical Science; Science.***Political Science.** *See Moral Science.***Polytechnics.** *See Technology.***Pomology.** *See Agriculture; Horticulture.***Popular Industry.** *See Industry.*128. **Haarlem.** Teyler's Genootschap. 6.146. **Zwolle.** Overys. Vereeniging. 7.**Poultry.**295. **Görlitz.** Ver. Hühnerzucht. 12.**Printing.** *See Booksellers.***Prisons.**488. **Stuttgart.** Ver. für entlassene Strafgefangene. 18.**Provincial Welfare.****Psychology.**168. **Bendorf.** Ges. Psychiatrie und gerichtliche Psychologie. 8.**Public Instruction, Ministry of.**91. **St. Petersburg.** Ministerstvo narodnago prosvestchenija. 5.671. **Paris.** Minist. de l'Instruction Publique. 24.1047. **Santiago.** Minis. Instruccion Publica. 36.

**Quartermaster Corps. See Military.****Railroads.**

198. Berlin. Ver. Eisenbahnkunde. 9.  
 486. Stuttgart. Ver. D. Eisenbahn-Verwaltungen. 18.

**Rural Economy. See Agriculture.****Schools (Academies, including Gymnasia). See Universities.****Schools.**

306. Grätz. S.-S. Joanneum. 12.  
 317. Hamburg. Johanneum. 13.  
 435. Pesth. K. K. Obergymnasium. 17.  
 517. Wien. K. K. Ober-Gymnasium. 19.  
 547. Bern. Kanton-Schule. 20.  
 705. Toulon. Académie Navale. 25.

**Science in general (including Academies, Associations, and Societies of widest scope).**

3. Skand. Naturforskere Forsaml. 1.  
 4. Götheborg. K. Vetenskaps Vitterhets-S. 1.  
 7. Lund. Physiographiske Foren. 1.  
 9. Stockholm. K. Vetenskaps-Akad. 1.  
 17. Upsala. K. Vetenskaps-Soc. 2.  
 24. Christiania. Videnskabs Selsk. 2.  
 25. Trondhjem. K. N. Videnskabernes-Selsk. 2.  
 33. Kjöbenhavn. K. D. Videnskabernes-Selsk. 3.  
 46. Dorpat. Gelehrte Ethnische Ges. 3.  
 51. Helsingfors. Soc. Scientiar. Fennica. 3.  
 83. St. Petersburg. I. Akademija Nauk. 5.  
 108. Amsterdam. K. Akad. Wetenschappen. 6.  
 126. Haarlem. H. Maatschappij Wetenschappen. 6.  
 129. Hertogenbosch. P. G. Kunsten en Wetenschappen. 7.  
 137. Middelburg. Gen. der Wetenschappen. 7.  
 145. Utrecht. P. U. G. Kunsten en Wetenschappen. 7.  
 152. Versamml. Naturforscher und Aerzte. 8.  
 181. Berlin. K. P. Ak. Wissenschaften. 8.  
 233. Buda. Magyar Tudományos Akad. 10.  
 271. Erfurt. Akad. Gemeinnützs. Wissenschaften. 11.  
 294. Görlitz. O. Ges. Wissenschaften. 12.  
 296. Göttingen. K. Ges. Wissenschaften. 12.

335. Innsbruck. Ferdinandeum. 13.  
 339. Jena. K. L. C. Deutsche Akademie. 13.  
 371. Krakau. C. K. Towarzystwo Naukowe Krak. 15.  
 380. Leipzig. F. Jablonowski'sche Ges. 15.  
 381. K. S. Ges. Wissenschaften. 15.  
 413. München. K. B. Akad. Wissensch. 16.  
 425. Nordhausen. Wissensch. Verein. 16.  
 438. Pesth. Magyar Tudós Társaság. 17.  
 448. Prag. K. B. Ges. Wissenschaften. 17.  
 499. Vicenza. Accademia Olimpica. 19.  
 506. Wien. K. Akad. Wissenschaften. 19.  
 553. Genève. Institut National Genevois. 20.  
 577. Anvers. Soc. R. des Sciences. 21.  
 578. Bruxelles. Acad. R. Sciences, Lettres, Beaux-Arts. 21.  
 589. Liège. Société Royale des Sciences. 21.  
 592. Mons. Soc. Sciences, Arts, Lettres. 21.  
 593. Inst. des Provinces de France. 22.  
 594. Congrès Scientifique de France. 22.  
 596. Abbeville. Soc. Imp. d'Emulation. 22.  
 597. Aix. Acad. Sciences, Agriculture, Arts, Belles-Lettres. 22.  
 600. Angers. Soc. d'Agric., Sciences, Arts. 22.  
 601. Soc. Académique. 22.  
 603. Arcueil. Société d'Arcueil. 22.  
 604. Arras. Société d'Arras. 22.  
 605. Bayeux. Soc. d'Agricul., Sciences, Arts, Belles-Lettres. 22.  
 606. Beauvais. Soc. d'Archéologie, Sciences, Arts. 22.  
 607. Besançon. A. Sciences, Belles-Lettres et Arts. 22.  
 609. Bordeaux. Acad. I. Sciences, Belles-Lettres et Arts. 22.  
 613. Soc. Philomathique. 22.  
 616. Caen. Acad. Sciences, Arts et Belles-Lettres. 22.  
 621. Chambéry. Soc. Imp. Académique. 22.  
 622. Acad. Impériale. 22.  
 623. Châlons-sur-Marne. Soc. d'Agricult., Commerce et Sciences. 23.  
 624. Cherbourg. Soc. Académique. 23.  
 626. Clermont-Ferrand. Acad. Sciences, Belles-Lettres et Arts. 23.  
 627. Dijon. Acad. Sciences, Arts et Belles-Lettres. 23.  
 630. Dunkerque. Soc. D. Encour. des Sciences. 23.  
 631. Evreux. Soc. L. d'Agriculture, Sciences, Arts, Belles-Lettres. 23.  
 632. Le Mans. Soc. d'Agriculture, Science et Arts. 23.  
 633. Lille. Soc. I. Sciences, Agric., Arts. 23.

634. **Lyon.** Soc. I. Agriculture, Histoire Naturelle et Arts Utiles. 23.
635. **Acad. Sciences, Belles-Lettres et Arts.** 23.
638. **Mâcon.** Acad. de Mâcon. 23.
639. **Marsailles.** Acad. Sciences, Lettres et Arts. 23.
641. **Mende.** Soc. d'Agriculture, Industrie, Sciences et Arts. 23.
642. **Metz.** Acad. Impériale de Metz. 23.
646. **Montpellier.** Acad. Sciences et Lettres. 23.
650. **Nancy.** Académie de Stanislas. 24.
651. **Nîmes.** Académie du Gard. 24.
652. **Orleans.** Soc. Sciences, Belles-Lettres et Arts. 24.
667. **Paris.** Institut de France. 24.
692. **Soc. Philomatique.** 25.
694. **Soc. Secours des Amis des Sciences.** 25.
696. **Puy.** Soc. Agric., Sciences, Arts, Commerce. 25.
697. **Reims.** Académie de Reims. 25.
700. **Rouen.** Acad. Sciences, Belles-Lettres, Arts. 25.
701. **Saint-Quentin.** Soc. A. Sciences, Arts, Belles-Lettres, et Agric. 25.
703. **Strasbourg.** Soc. Sciences, Agric., Arts. 25.
704. **Tarbes.** Soc. Acad. des Hautes-Pyrénées. 25.
706. **Toulouse.** A. Sciences, Inscriptions et Belles-Lettres. 25.
708. **Tours.** Soc. Agriculture, Sciences, Arts, Belles-Lettres. 25.
709. **Troyes.** Soc. Agriculture, Sciences, Arts et Belles-Lettres. 25.
710. **Arezzo.** Ac. di Scienze, Lettere ed Arti. 25.
712. **Bologna.** Ac. delle Scienze. 26.
718. **Brescia.** Ateneo. 26.
720. **Firenze.** Ac. del Cimento. 26.
726. **Genova.** Ac. Scienze, Lettere ed Arti. 26.
731. **Lucca.** R. Ac. Lu. Scienze, Lettere ed Arti. 26.
733. **Milano.** At. di Scienze, Lettere ed Arti. 26.
741. **R. Ist. n. di Scienze, Lettere ed Arti.** 26.
745. **Soc. pat. d'Incora. di Scienze, Lettere ed Arti.** 26.
746. **Modena.** Ac. di Scienze, Lettere ed Arti. 26.
748. **Soc. Ital. delle Scienze.** 26.
749. **Modigliana.** Acc. Scientifico-letteraria. 27.
753. **Napoli.** R. Acc. Scienze e Belle Lettere. 27.
757. **Padova.** I. R. Acc. di Scienze, Lettere ed Arti. 27.
759. **Palermo.** Acc. Pal. di Scienze e Lettere. 27.
763. **Pisa.** Acc. Valdarnese. 27.
765. **Ravenna.** Società Ravennate. 27.
766. **Roma.** Acc. Pontificia Nuovi Lincei. 27.
770. **Correspond. Scientifica.** 27.
772. **Siena.** Acc. delle Scienze. 27.
774. **Torino.** Acc. Reale delle Scienze. 27.
784. **Venezia.** Ateneo Veneto. 27.
786. **I. R. Ist. di Scienze, Lettere ed Arti.** 28.
790. **Lisboa.** Acad. Real das Sciencias. 28.
796. **Madrid.** R. Ac. de Ciencias. 28.
802. **Aberdeen.** Philosophical Society. 28.
805. **Belfast.** Belfast Institution. 28.
808. **Nat. Hist. and Philos. Soc.** 28.
810. **Bristol.** B. Inst. for the Adv. of Science, Literat. and Fine Arts. 28.
820. **Cork.** Royal Cork Institution. 28.
823. **Dublin.** D. Univ. Philosophical Soc. 28.
829. **Royal Dublin Soc.** 28.
830. **Royal Irish Academy.** 28.
836. **Edinburgh.** Ed. New Philos. Journ. 28.
845. **Royal Society.** 28.
853. **Glasgow.** Andersonian Institute. 30.
854. **Philosophical Society.** 30.
858. **Hull.** Royal Institution. 30.
859. **Isle of Wight.** Philos. and Scientific Soc. 30.
865. **Leeds.** L. Philos. Literary Soc. 30.
866. **Leicester.** L. Lit. and Philos. Soc. 30.
870. **Liverpool.** Literary and Philos. Soc. 30.
874. **Royal Institution.** 30.
886. **London.** B. As. for Advancement of Science. 31.
910. **Lond. Ed. Dub. Philosophical Mag.** 31.
932. **R. Institution of G. B.** 32.
935. **Royal Society.** 32.
942. **Manchester.** Lit. and Philos. Soc. 32.
948. **Newcastle-upon-Tyne.** Lit. and Philos. Soc. 32.
958. **Febles.** Chambers Institution. 33.
968. **Woolwich.** Royal Artillery Inst. 33.
969. **York.** York Philosophical Soc. 33.
986. **Batavia.** B. Gen. Kunstan en Wetenschappen. 34.
994. **Bombay.** Royal Asiatic Society. 34.

995. **Calcutta.** Asiatic Society. 34.  
 999 **Ceylon.** Asiatic Society. 34.  
 1001. **Hong Kong.** Asiatic Soc. China. 34.  
 1007. **Shanghai.** R. Asiatic Soc. China. 34.  
 1011. **Hobarton.** Royal Soc. of Tasmania. 35.  
 1014. **Launceston.** Royal Soc. (branch). 35.  
 1016. **Melbourne.** Philosophical Soc. 35.  
 1020. **Sydney.** Philosophical Soc. 35.

**Science, Moral and Political.** *See*  
**Moral.**

**Science, Natural.** *See* **Natural.**

**Science, Physical.** *See* **Physical.**

**Science, Social.** *See* **Social.**

**Scientific Associations.** *See* **Science.**

**Sheep.**

454. **Prag.** Schafzüchter-Verein. 17.

**Silkworm.**

446. **Potsdam.** Ver. Beförd. Seidenbaues. 17.  
 647. **Montpellier.** Soc. G. d'Encour. à la Sericulture. 23.

**Smithsonian Agents.** *See* **Agents.**

**Social Science.**

917. **London.** Nat. Ass. Promotion of Social Science. 31.

**State Governments.** *See* **Crowned Heads.**

**State, Ministry of.**

417. **München.** K. Staats-Ministerium. 16.  
 485. **Stuttgart.** K. Staats Archiv. 18.

**Statistics.** *See also* **Geography.**

96. **St. Petersburg.** Statistitsheskii Tsentralnii Komitet. 5.  
 191. **Berlin.** Red. Statist. Central-Archiv. 9.  
 192. Statistisches Bureau. 9.  
 197. Ver. deutsche Statistik. 9.  
 263. **Dresden.** Statistisches Bur. 11.  
 328. **Hannover.** Statistisches Bureau. 13.  
 467. **Schwerin.** G. Statistisches Bureau. 18.  
 508. **Wien.** K. K. Dir. Administrativen Statistik. 19.  
 546. **Bern.** E. Statistisches Bureau. 20.  
 684. **Paris.** Soc. F. Statistique Universelle. 24.  
 901. **London.** Inst. Actuaries. 31.  
 938. Statistical Society. 32.

**Statistics, and Topography.**

484. **Stuttgart.** K. Statistisch-topographisches Bur. 18.

**Stenography.**

193. **Berlin.** Stenographischer Ver. 9.

**Surgery.** *See* **Medicine.**

**Technology and Polytechny.**

117. **Delft.** Bureau Technologique. 6.  
 187. **Berlin.** Polytechnische Ges. 9.  
 383. **Leipzig.** Polytechnische Ges. 15.  
 420. **München.** Polytechnischer Ver. 16.  
 523. **Wien.** Polytechnische Ges. 19.  
 534. **Würzburg.** Polytechnischer Ver. 20.  
 555. **Geneve.** Société des Arts. 20.  
 571. **Zürich.** École Polytechnique Féd. 21.  
 666. **Paris.** École Polytechnique. 24.  
 693. Soc. Polytechnique. 25.  
 734. **Milano.** Istituto Tecnico. 26.  
 742. Soc. d'Incoragg. d'Arti e Mestieri. 26.  
 844. **Edinburgh.** R. Scottish Soc. of Arts. 29.  
 851. **Falmouth.** R. Cornwall Polytechnic Soc. 30.  
 872. **Liverpool.** L. Polytechnic Soc. 30.  
 891. **London.** Dep. Practical Art. 31.  
 913. London Mechanics' Inst. 31.  
 937. Soc. Arts, Man. and Commerce. 32.  
 991. **Bombay.** Bombay Mechanics' Inst. 34.  
 1009. **Hobarton.** Mechanics' Institute. 34.  
 1013. **Launceston.** Mechanics' Institute and School of Arts. 35.  
 1031. **Kingston.** R. Soc. of Arts of Jamaica. 35.

**Thermal Waters.** *See* **Baths.**

**Topography.** *See* **Statistics.**

**Trade.** *See* **Industry.**

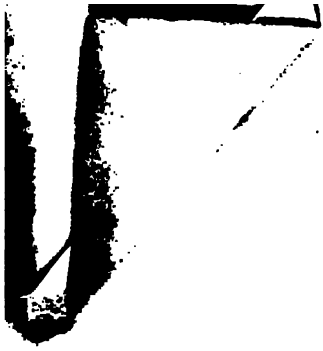
**Trade, Free.** *See* **Free Trade.**

**Universities (including Academies, etc.)** *See also* **Schools.**

5. **Lund.** K. Universitetet. 1.  
 16. **Upsala.** K. Universitetet. 2.  
 22. **Christiania.** K. N. Universitetet. 2.  
 48. **Dorpat.** Universität. 3.  
 52. **Helsingfors** Universität. 3.  
 53. **Kasan.** Kazanskii Universitet. 3.  
 55. **Kharkow.** Universität. 3.  
 57. **Kiew.** Imp. Universitet. 3.  
 60. **Moakwa.** I. Universitet. 4.

87. **St. Petersburg.** I. St. Peterburgskii Universitet. 5.
123. **Groningen.** Academia Groningana. 6.
132. **Leiden.** Academia Lugduno-Batava. 7.
140. **Utrecht.** Acad. Rheno-Trajectina. 7.
194. **Berlin.** Universität. 9.
210. **Bonn.** Universität. 9.
226. **Breslau.** Universität. 10.
273. **Erlangen.** Universität. 11.
284. **Freiburg.** Universität. 12.
290. **Giessen.** Universität. 12.
298. **Göttingen.** Universität. 12.
308. **Greifswald.** Universität. 12.
314. **Halle.** Universität. 13.
331. **Heidelberg.** Universität. 13.
337. **Innsbruck.** Universität. 13.
353. **Kiel.** Universität. 14.
370. **Königsberg.** Universität. 14.
372. **Krakau.** Uniwersytet. 15.
386. **Leipzig.** Universität. 15.
406. **Marburg.** Universität. 16.
418. **München.** K. Universität. 16.
440. **Pesth.** Universität. 17.
455. **Frag.** Universität. 17.
464. **Rostock.** Universität. 17.
498. **Tübingen.** Universität. 19.
526. **Wien.** Universität. 19.
535. **Würzburg.** Universität. 20.
543. **Basel.** Universität. 20.
550. **Bern.** Universität. 20.
574. **Zürich.** Universität. 21.
587. **Gand.** Université. 21.
591. **Louvain.** Université. 21.
730. **Genova.** Università. 26.
764. **Pisa.** Università. 27.
773. **Siena.** Università (Osservatorio). 27.
781. **Torino.** Regia Università. 27.
787. **Venezia.** Mechitaristen-Collegium. 28.
789. **Coimbra.** University. 28.
807. **Belfast.** Queen's College. 28.
816. **Cambridge.** University. 29.
819. **Cork.** Queen's College. 29.
821. **Dublin.** Catholic College. 29.
827. **Trinity College.** 29.
849. **Edinburgh.** University. 29.
850. **Eton.** Eton College. 29.
852. **Galway.** Queen's College. 30.
855. **Glasgow.** University. 30.
940. **London.** University College. 32.
947. **Maynooth.** College Library. 32.
954. **Oxford.** Bodleian Library. 32.
962. **St. Andrews.** University. 33.
965. **Stonyhurst.** Stonyhurst College. 33.
971. **Athens.** University Library. 33.
985. **Allahabad.** Mission College. 34.
1000. **Ceylon.** Batticotta Seminary. 34.
1006. **Rourkee.** Thomason College. 34.
1017. **Melbourne.** Univ. of Melbourne. 35.
1021. **Sydney.** University of Sydney. 35.
1026. **Chuquisaca.** University. 35.
1030. **Habana.** Real Universidad. 35.
1032. **Lima.** Universidad. 35.
1049. **Santiago.** Universidad. 36.
- Universities, Journals of.**
2. **Scandinavia.** Nord. Univ. Tidsskrift. 1.
- Universities, Libraries of. See Universities.**
- Universities, Museums of. See Museums.**
- Universities, Observatories of. See Observatories.**
- Useful Knowledge. See Industry**
- Utility. See Amusement.**
- Veterinary Science.**
38. **Kjöbenhavn.** Tidsskrift for Veterinær. 3.
39. **Veterinær-Selskab.** 3.
- Vine. See Wine.**
- War, Ministry of.**
669. **Paris.** Minist. de la Guerre. 24.
- Watchmaking.**
565. **Lausanne.** Soc. Industrielle d'Horlogerie. 21.
- Welfare, Provincial. See Provincial.**
- Wine Culture.**
478. **Stuttgart.** Ges. Weinverbesserung. 18.
- Zoology. See also Botany; Mineralogy.**
109. **Amsterdam.** K. Zoologisch G. "Natur Artis Magistra." 6.
281. **Frankfurt-am-Main.** Zoologische Ges. 12.
723. **Genova.** Arch. per la Zool., l'Anat. e l'Phys. 26.
831. **Dublin.** Royal Zoological Soc. 29.
941. **London.** Zoological Society. 32.





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